



# Drywall specs book

*Siniat systems and solutions catalogue*

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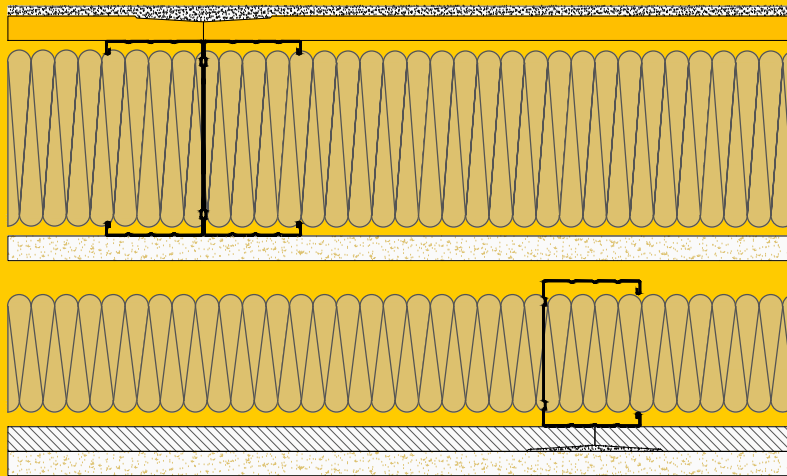
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AQUABOARD EXTERIOR LININGS

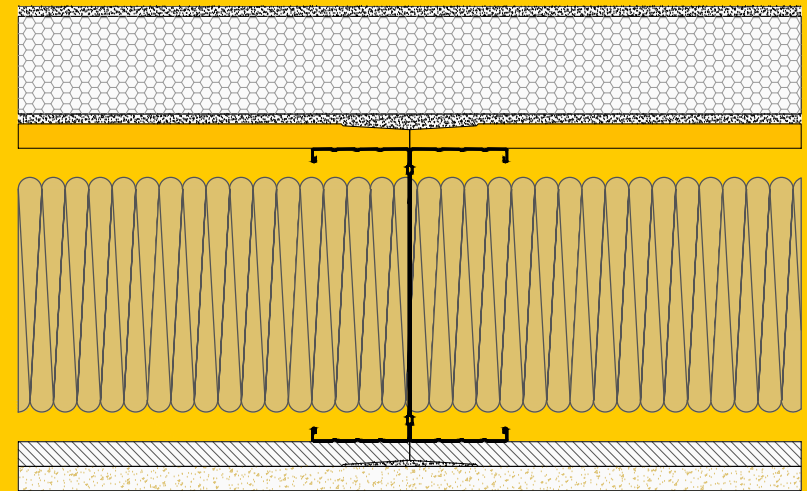




# AquaBoard Infill Walls



**Part I**  
**Direct render**



**Part II**  
**Exterior insulation finishing system (EIFS)**







**AquaBoard Infill Wall  
Part I - Direct render**

| Type of board in the cavity | No. of boards in the cavity | Studs Outer side | Studs Inner side | Insulation Outer side density [kg/m <sup>3</sup> ] / thickness [mm] | Insulation Inner side density [kg/m <sup>3</sup> ] / thickness [mm] | Maximum height [m] | Thickness [mm] | Rw [dB] | Thermal transmittance [W/m <sup>2</sup> K] | Thermal phase shifting | Fire rating | Page number |
|-----------------------------|-----------------------------|------------------|------------------|---|---|--------------------|----------------|---------|--|------------------------|-------------|-------------|
| LaDura                      | 1                           | M100 AQB         | M75              | Rock wool 110/80  | Rock wool 70/60   | 4                  | 240            | 64      | 0,204                                      | 6h 15'                 | -           | 356         |
| LaDura                      | 2                           | M100 AQB         | M75              | Rock wool 110/80  | Rock wool 70/60   | 4                  | 250            | 66      | 0,203                                      | 7h 15'                 | -           | 357         |
| LaDura                      | 1                           | M100 AQB         | M100             | Rock wool 110/80  | Rock wool 70/80   | 4                  | 265            | 65      | 0,179                                      | 7h 08'                 | -           | 358         |
| LaDura                      | 2                           | M100 AQB         | M100             | Rock wool 110/80  | Rock wool 70/80   | 4                  | 275            | 67      | 0,178                                      | 8h 04'                 | -           | 359         |
| LaDura                      | 1                           | M150 AQB         | M75              | Rock wool 110/120   | Rock wool 70/60   | 5                  | 290            | 65      | 0,168                                      | 8h 27'                 | -           | 360         |
| LaDura                      | 2                           | M150 AQB         | M75              | Rock wool 110/120   | Rock wool 70/60   | 5                  | 300            | 67      | 0,167                                      | 9h 10'                 | -           | 361         |
| LaDura                      | 1                           | M150 AQB         | M100             | Rock wool 110/120   | Rock wool 70/80   | 5                  | 315            | 66      | 0,140                                      | 8h 40'                 | -           | 362         |
| LaDura                      | 2                           | M150 AQB         | M100             | Rock wool 110/120   | Rock wool 70/80   | 5                  | 325            | 68      | 0,139                                      | 9h 30'                 | -           | 363         |
| LaDura                      | 1                           | M100 AQB         | M75              | Rock wool 110/80  | Rock wool 70/60   | 4                  | 250            | 66      | 0,203                                      | 7h 15'                 | EI 120      | 364         |
| LaDura                      | 1                           | M100 AQB         | M100             | Rock wool 110/80  | Rock wool 70/80   | 4                  | 275            | 67      | 0,178                                      | 8h 04'                 | EI 120      | 365         |
| LaDura                      | 1                           | M150 AQB         | M75              | Rock wool 110/120   | Rock wool 70/60   | 4                  | 300            | 67      | 0,165                                      | 9h 10'                 | EI 120      | 366         |
| LaDura                      | 1                           | M150 AQB         | M100             | Rock wool 110/120   | Rock wool 70/80   | 4                  | 325            | 68      | 0,139                                      | 9h 30'                 | EI 120      | 367         |
| Solidtex                    | 1                           | M100 AQB         | M75              | Rock wool 110/80  | Rock wool 70/60   | 4                  | 240            | 68      | 0,200                                      | 7h 17'                 | -           | 369         |
| Solidtex                    | 2                           | M100 AQB         | M75              | Rock wool 110/80  | Rock wool 70/60   | 4                  | 250            | 70      | 0,200                                      | 8h 14'                 | -           | 370         |
| Solidtex                    | 1                           | M100 AQB         | M100             | Rock wool 110/80  | Rock wool 70/80   | 4                  | 265            | 68      | 0,180                                      | 7h 51'                 | -           | 371         |
| Solidtex                    | 2                           | M100 AQB         | M100             | Rock wool 110/80  | Rock wool 70/80   | 4                  | 275            | 70      | 0,180                                      | 8h 43'                 | -           | 372         |
| Solidtex                    | 1                           | M150 AQB         | M75              | Rock wool 110/120   | Rock wool 70/60   | 5                  | 290            | 69      | 0,150                                      | 9h 29'                 | -           | 373         |
| Solidtex                    | 2                           | M150 AQB         | M75              | Rock wool 110/120   | Rock wool 70/60   | 5                  | 300            | 71      | 0,150                                      | 10h 19'                | -           | 374         |
| Solidtex                    | 1                           | M150 AQB         | M100             | Rock wool 110/120   | Rock wool 70/80   | 5                  | 315            | 69      | 0,140                                      | 10h 2'                 | -           | 375         |
| Solidtex                    | 2                           | M150 AQB         | M100             | Rock wool 110/120   | Rock wool 70/80   | 5                  | 325            | 71      | 0,140                                      | 10h 48'                | -           | 376         |

**AquaBoard Infill Wall  
Part II - Exterior insulation finishing system (EIFS)**

| No. boards on outer side | Studs    | Insulation in the cavity density [kg/m <sup>3</sup> ] / thickness [mm] | Exterior insulation / thickness [mm] | Maximum height [m] | Thickness [mm] | Rw [dB] | Thermal transmittance [W/m <sup>2</sup> K] | Thermal phase shifting | Fire rating | Page number |
|--------------------------|----------|--|--------------------------------------|--------------------|----------------|---------|--|------------------------|-------------|-------------|
| 1                        | M150 AQB | Rock wool 150/120  | EPS / 50                             | 5                  | 247,5          | 57      | 0,186                                      | 8h 8'                  | -           | 368         |

AQB-1 240/M100 + M75 - 1 PV BA13 + 2 LaDura BA13 + 1 AQB BA13 - RW/80 + RW/60

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 240 mm                   |
|                     | Max wall height                    | 4,00 m                   |
|                     | Airborne sound insulation Rw       | 64 dB                    |
|                     | Thermal transmittance U            | 0,204 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 4,90 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,115 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 6h 15'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

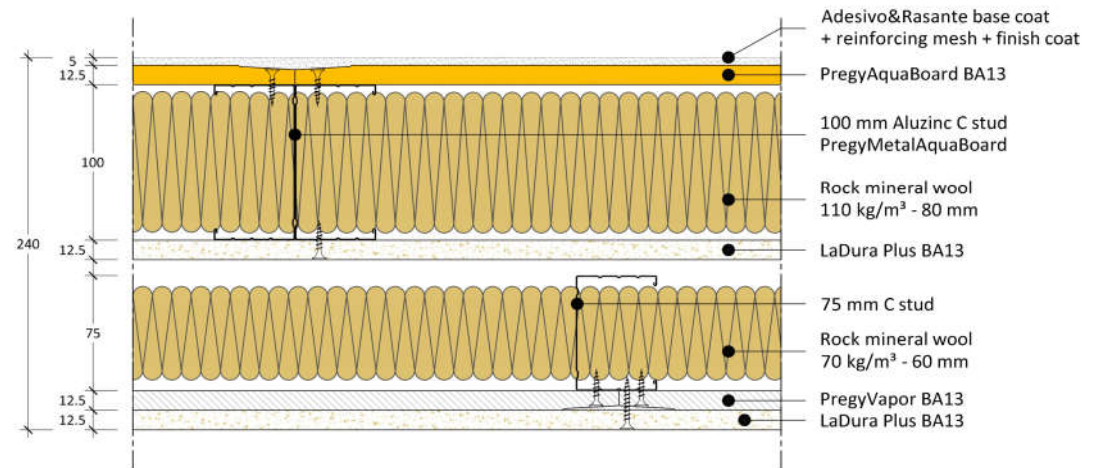
|                 |                  |                  |
|-----------------|------------------|------------------|
| Board in cavity | Board layer      | Single           |
|                 | Board type       | LaDura Plus BA13 |
|                 | Reaction to fire | A2-s1,d0         |
|                 | Board thickness  | 12,5 mm          |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick               |
|             | Inner side | Simple 75 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

All performance data and system specifications are for system constructed with materials and components as shown. The inclusion or substitution of any other manufacturers material or component invalidates both test data and system performance.

Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Airborne sound insulation Rw is related to test conditions. Actual acoustic performance in situ (R'w) is influenced by acoustic bridges (peripheral transmissions through floors, ceilings, corners) and by imperfections in installation.

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Specification:

AquaBoard infill wall 240 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, one 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 64 dB

Thermal transmittance U: 0,204 W/m<sup>2</sup>K

Fire rating: -



AQB-1 250/M100 + M75 - 1 PV BA13 + 3 LaDura BA13 + 1 AQB BA13 - RW/80 + RW/60

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 250 mm                   |
|                     | Max wall height                    | 4,00 m                   |
|                     | Airborne sound insulation Rw       | 66 dB                    |
|                     | Thermal transmittance U            | 0,203 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 4,93 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,077 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 7h 15'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

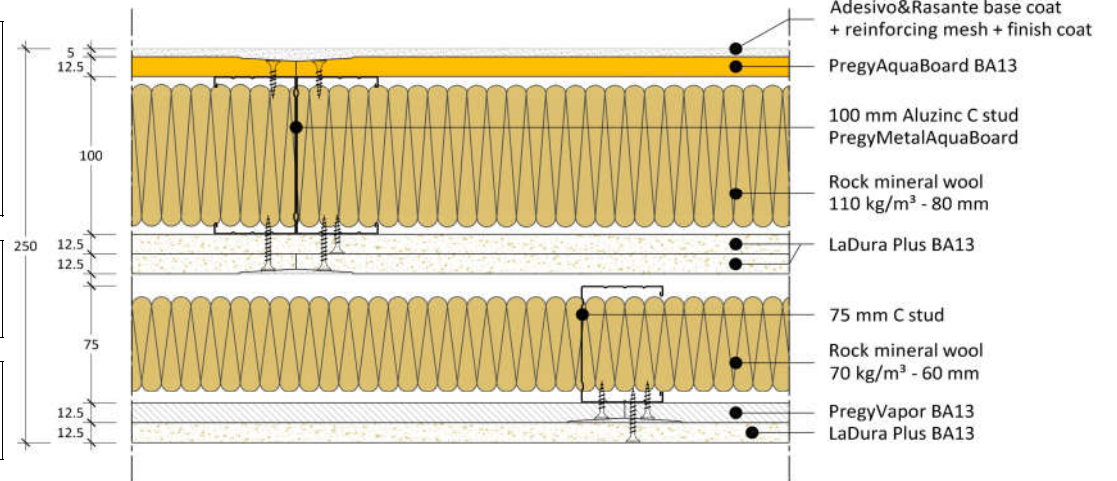
|                 |                  |                  |
|-----------------|------------------|------------------|
| Board in cavity | Board layer      | Double           |
|                 | Board type       | LaDura Plus BA13 |
|                 | Reaction to fire | A2-s1,d0         |
|                 | Board thickness  | 12,5 mm          |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick               |
|             | Inner side | Simple 75 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

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Specification:

AquaBoard infill wall 250 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, two 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 66 dB

Thermal transmittance U: 0,203 W/m<sup>2</sup>K

Fire rating: -

AQB-1 265/M100 + M100 - 1 PV BA13 + 2 LaDura BA13 + 1 AQB BA13 - RW/80 + RW/80

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 265 mm                   |
|                     | Max wall height                    | 4,00 m                   |
|                     | Airborne sound insulation Rw       | 65 dB                    |
|                     | Thermal transmittance U            | 0,179 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 5,59 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,084 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 7h 08'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

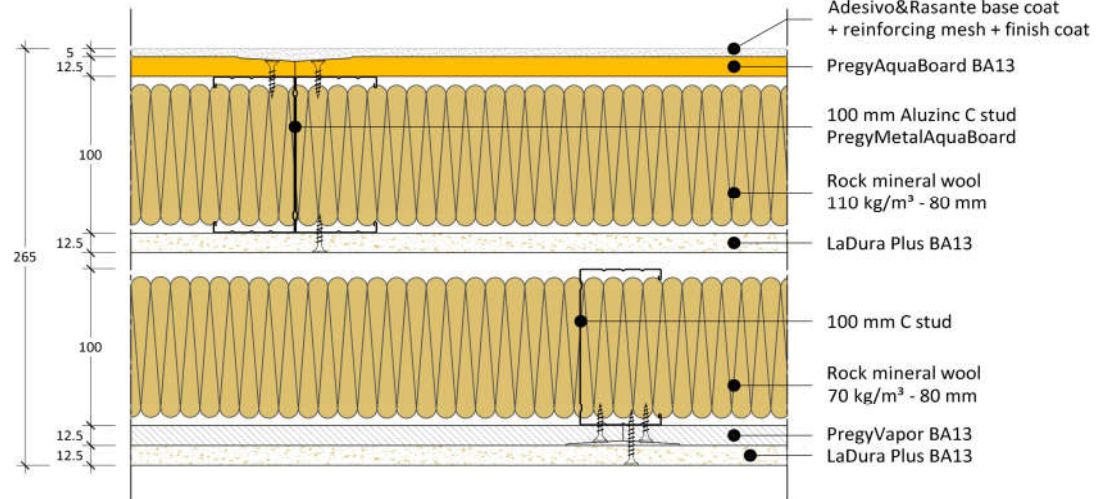
|                 |                  |                  |
|-----------------|------------------|------------------|
| Board in cavity | Board layer      | Single           |
|                 | Board type       | LaDura Plus BA13 |
|                 | Reaction to fire | A2-s1,d0         |
|                 | Board thickness  | 12,5 mm          |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |  |
|-------------|------------|--|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick                |
|             | Inner side | Simple 100 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

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Specification:

AquaBoard infill wall 265 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, one 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by PregyMetal 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 65 dB

Thermal transmittance U: 0,179 W/m<sup>2</sup>K

Fire rating: -



AQB-1 275/M100 + M100 - 1 PV BA13 + 3 LaDura BA13 + 1 AQB BA13 - RW/80 + RW/80

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 275 mm                   |
|                     | Max wall height                    | 4,00 m                   |
|                     | Airborne sound insulation Rw       | 67 dB                    |
|                     | Thermal transmittance U            | 0,178 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 5,62 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,052 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 8h 04'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

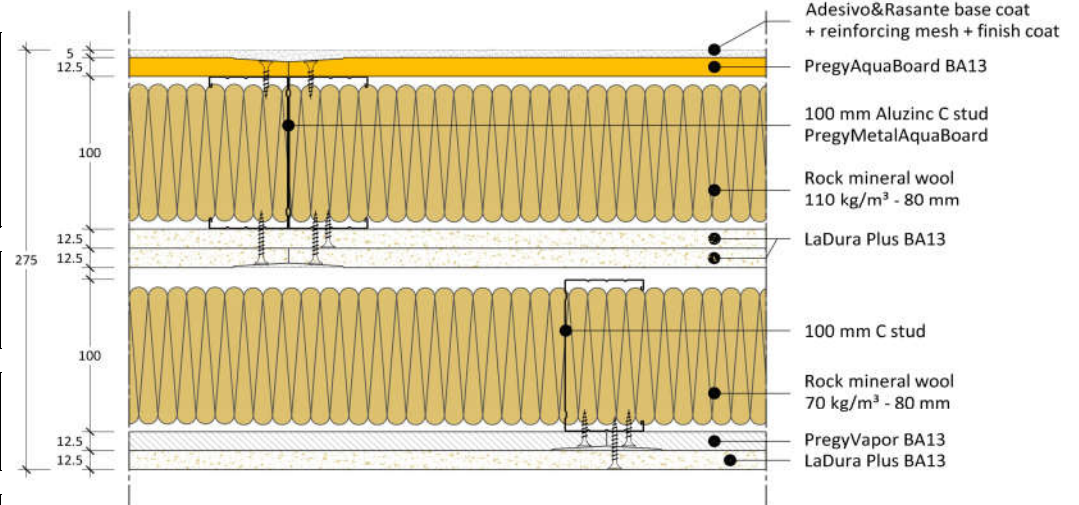
|                 |                  |                  |
|-----------------|------------------|------------------|
| Board in cavity | Board layer      | Double           |
|                 | Board type       | LaDura Plus BA13 |
|                 | Reaction to fire | A2-s1,d0         |
|                 | Board thickness  | 12,5 mm          |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |  |
|-------------|------------|--|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick                |
|             | Inner side | Simple 100 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

All performance data and system specifications are for system constructed with materials and components as shown. The inclusion or substitution of any other manufacturers material or component invalidates both test data and system performance.

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Specification:

AquaBoard infill wall 275 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, two 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 67 dB

Thermal transmittance U: 0,178 W/m<sup>2</sup>K

Fire rating: -

AQB-1 290/M150 + M75 - 1 PV BA13 + 2 LaDura BA13 + 1 AQB BA13 - RW/120 + RW/60

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 290 mm                   |
|                     | Max wall height                    | 5,00 m                   |
|                     | Airborne sound insulation Rw       | 65 dB                    |
|                     | Thermal transmittance U            | 0,168 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 5,94 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,066 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 8h 27'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

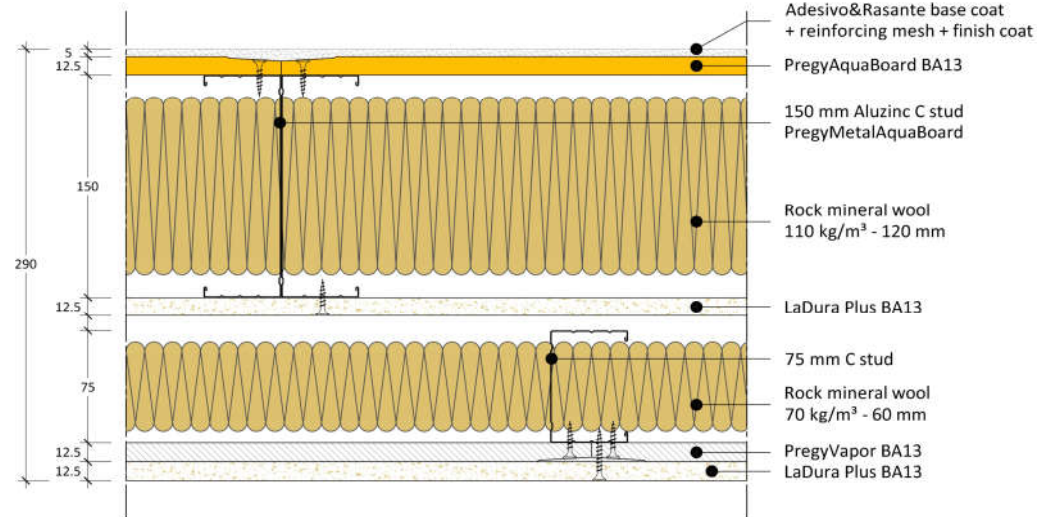
|                 |                  |                  |
|-----------------|------------------|------------------|
| Board in cavity | Board layer      | Single           |
|                 | Board type       | LaDura Plus BA13 |
|                 | Reaction to fire | A2-s1,d0         |
|                 | Board thickness  | 12,5 mm          |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |  |
|-------------|------------|--|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick  |
|             | Inner side | Simple 75 mm C studs at 60 cm (40 cm for height > 4 m) maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4,3 |
|                   | 30           | 3,5                | 5   |

Remarks:

All performance data and system specifications are for system constructed with materials and components as shown. The inclusion or substitution of any other manufacturers material or component invalidates both test data and system performance.

Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Airborne sound insulation Rw is related to test conditions. Actual acoustic performance in situ (R'w) is influenced by acoustic bridges (peripheral transmissions through floors, ceilings, corners) and by imperfections in installation.

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Specification:

AquaBoard infill wall 290 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, one 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.

Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm (40 cm for height > 4 m) maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.

Partition maximum height: 5 m

Airborne Sound Insulation Rw: 65 dB

Thermal transmittance U: 0,1684 W/m<sup>2</sup>K

Fire rating: -



AQB-1 300/M150 + M75 - 1 PV BA13 + 3 LaDura BA13 + 1 AQB BA13 - RW/120 + RW/60

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 300 mm                   |
|                     | Max wall height                    | 5,00 m                   |
|                     | Airborne sound insulation Rw       | 67 dB                    |
|                     | Thermal transmittance U            | 0,167 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 5,99 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,043 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 9h 10'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

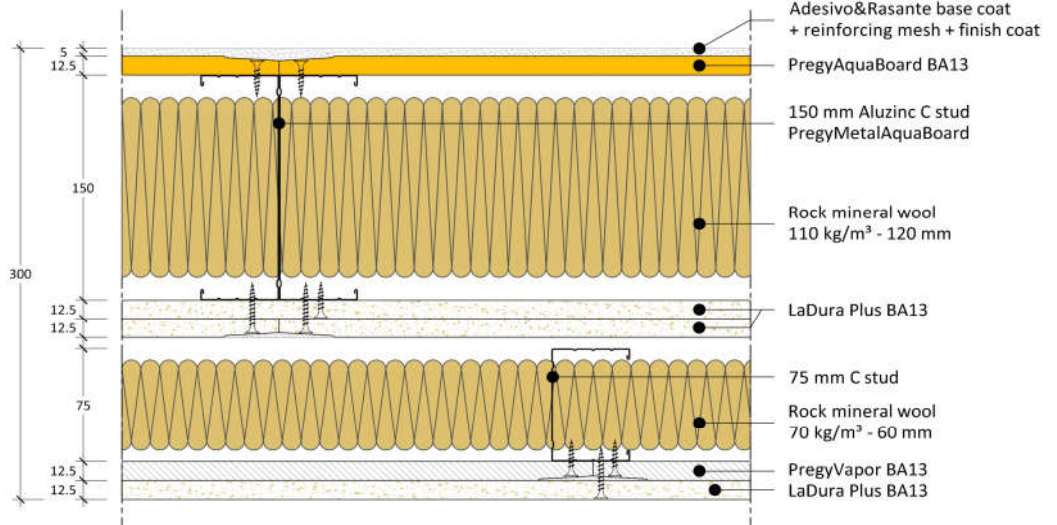
|                 |                  |                  |
|-----------------|------------------|------------------|
| Board in cavity | Board layer      | Double           |
|                 | Board type       | LaDura Plus BA13 |
|                 | Reaction to fire | A2-s1,d0         |
|                 | Board thickness  | 12,5 mm          |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |  |
|-------------|------------|--|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick  |
|             | Inner side | Simple 75 mm C studs at 60 cm (40 cm for height > 4 m) maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4,3 |
|                   | 30           | 3,5                | 5   |

Remarks:

All performance data and system specifications are for system constructed with materials and components as shown. The inclusion or substitution of any other manufacturers material or component invalidates both test data and system performance.

Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Airborne sound insulation Rw is related to test conditions. Actual acoustic performance in situ (R'w) is influenced by acoustic bridges (peripheral transmissions through floors, ceilings, corners) and by imperfections in installation.

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**Specification:**  
AquaBoard infill wall 300 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, two 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.  
Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.  
Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm (40 cm for height > 4 m) maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.  
Partition maximum height: 5 m  
Airborne Sound Insulation Rw: 67 dB  
Thermal transmittance U: 0,167 W/m<sup>2</sup>K  
Fire rating: -

AQB-1 315/M150 + M100 - 1 PV BA13 + 2 LaDura BA13 + 1 AQB BA13 - RW/120 + RW/80

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 315 mm                   |
|                     | Max wall height                    | 5,00 m                   |
|                     | Airborne sound insulation Rw       | 66 dB                    |
|                     | Thermal transmittance U            | 0,140 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 7,14 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,050 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 8h 40'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

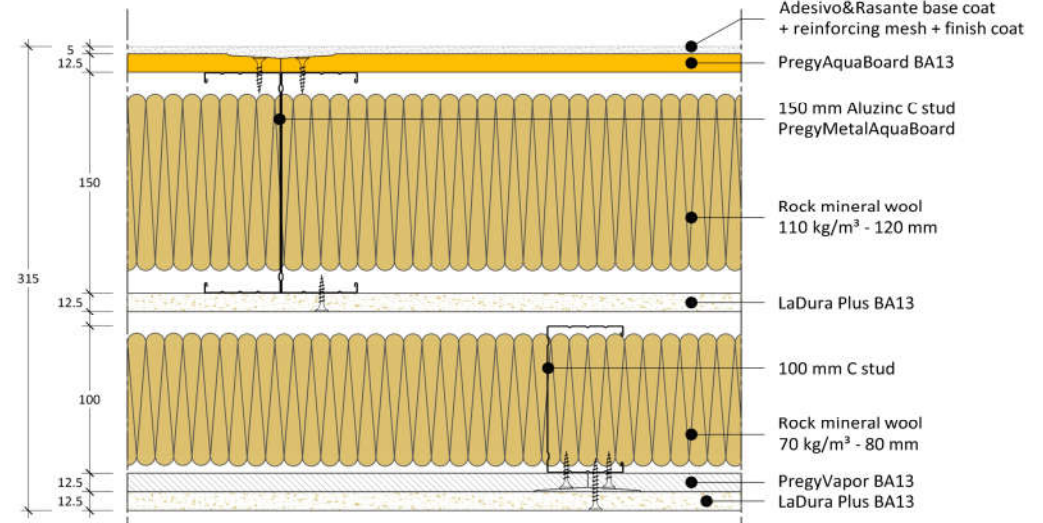
|                 |                  |                  |
|-----------------|------------------|------------------|
| Board in cavity | Board layer      | Single           |
|                 | Board type       | LaDura Plus BA13 |
|                 | Reaction to fire | A2-s1,d0         |
|                 | Board thickness  | 12,5 mm          |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |  |
|-------------|------------|--|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick                |
|             | Inner side | Simple 100 mm C studs at 60 cm maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4,3 |
|                   | 30           | 3,5                | 5   |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Specification:

AquaBoard infill wall 315 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, one 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.

Inner metal frame composed by PregyMetal 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.

Partition maximum height: 5 m

Airborne Sound Insulation Rw: 66 dB

Thermal transmittance U: 0,14 W/m<sup>2</sup>K

Fire rating: -

AQB-1 325/M150 + M100 - 1 PV BA13 + 3 LaDura BA13 + 1 AQB BA13 - RW/120 + RW/80

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 325 mm                   |
|                     | Max wall height                    | 5,00 m                   |
|                     | Airborne sound insulation Rw       | 68 dB                    |
|                     | Thermal transmittance U            | 0,139 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 7,19 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,030 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 9h 30'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

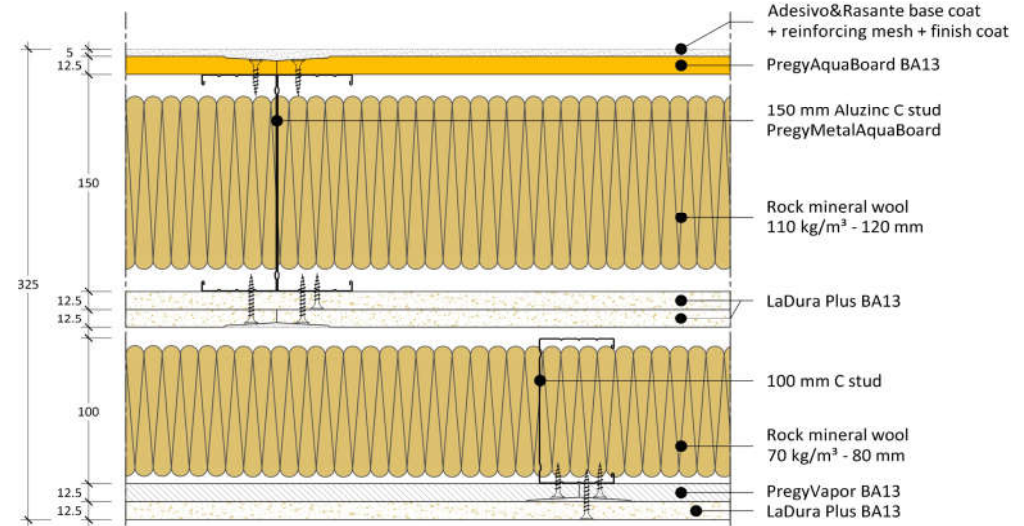
|                 |                  |                  |
|-----------------|------------------|------------------|
| Board in cavity | Board layer      | Double           |
|                 | Board type       | LaDura Plus BA13 |
|                 | Reaction to fire | A2-s1,d0         |
|                 | Board thickness  | 12,5 mm          |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick                   |
|             | Inner side | Simple 100 mm C studs at 60 cm cm maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4,3 |
|                   | 30           | 3,5                | 5   |

Remarks:

All performance data and system specifications are for system constructed with materials and components as shown. The inclusion or substitution of any other manufacturers material or component invalidates both test data and system performance.

Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Specification:

AquaBoard infill wall 325 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, two 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.

Inner metal frame composed by PregyMetal 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.

Partition maximum height: 5 m

Airborne Sound Insulation Rw: 68 dB

Thermal transmittance U: 0,139 W/m<sup>2</sup>K

Fire rating: -



AQB-1 250/M100 + M75 - 1 PV BA13 + 3 LaDura BA13 + 1 AQB BA13 - RW/80 + RW/60

|                     |                                    |   |  |
|---------------------|------------------------------------|---|--|
| System performances | Wall thickness                     | 250 mm  |  |
|                     | Max wall height                    | 4,00 m  |  |
|                     | Airborne sound insulation Rw       | 66 dB   |  |
|                     | Thermal transmittance U            | 0,203 W/m <sup>2</sup> K                              |  |
|                     | Thermal resistance R               | 4,93 m <sup>2</sup> K/W                               |  |
|                     | Periodic thermal transmittance Yie | 0,080 W/m <sup>2</sup> K                              |  |
|                     | Thermal phase shifting             | 7h 15'  |  |
|                     | Fire rating                        | EI 120 - Test report IG n. 297596/3457 FR + FT 310661 |  |

|            |                  |                  |                     |
|------------|------------------|------------------|---------------------|
| Outer side | Board layer      | Inner            | Outer               |
|            | Board type       | LaDura Plus BA13 | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0         | A2-s1,d0            |
|            | Board thickness  | 12,5 mm          | 12,5 mm             |

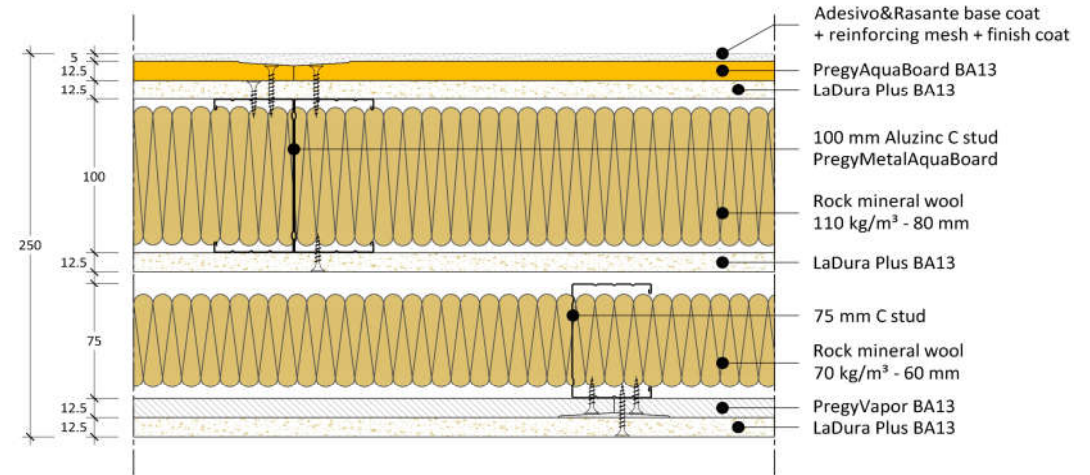
|                 |                  |                  |  |
|-----------------|------------------|------------------|--|
| Board in cavity | Board layer      | Single           |  |
|                 | Board type       | LaDura Plus BA13 |  |
|                 | Reaction to fire | A2-s1,d0         |  |
|                 | Board thickness  | 12,5 mm          |  |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick               |
|             | Inner side | Simple 75 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division. Heights in table already satisfy maximum heights according to Fire Test Report.

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Specification:

AquaBoard infill wall 250 mm thick: one 12,5 mm thick LaDura Plus BA13 as inner layer and one 12,5 mm thick PregyAquaBoard BA13 as outer layer on the outer side, one 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 66 dB

Thermal transmittance U: 0,203 W/m<sup>2</sup>K

Fire rating: EI 120 - Test report IG n. 297596/3457 FR + FT 310661

AQB-1 275/M100 + M100 - 1 PV BA13 + 3 LaDura BA13 + 1 AQB BA13 - RW/80 + RW/80

|                     |                                    |   |  |
|---------------------|------------------------------------|---|--|
| System performances | Wall thickness                     | 275 mm  |  |
|                     | Max wall height                    | 4,00 m  |  |
|                     | Airborne sound insulation Rw       | 67 dB   |  |
|                     | Thermal transmittance U            | 0,178 W/m <sup>2</sup> K                              |  |
|                     | Thermal resistance R               | 5,62 m <sup>2</sup> K/W                               |  |
|                     | Periodic thermal transmittance Yie | 0,052 W/m <sup>2</sup> K                              |  |
|                     | Thermal phase shifting             | 8h 04'  |  |
|                     | Fire rating                        | EI 120 - Test report IG n. 297596/3457 FR + FT 310661 |  |

|            |                  |                  |                     |
|------------|------------------|------------------|---------------------|
| Outer side | Board layer      | Inner            | Outer               |
|            | Board type       | LaDura Plus BA13 | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0         | A2-s1,d0            |
|            | Board thickness  | 12,5 mm          | 12,5 mm             |

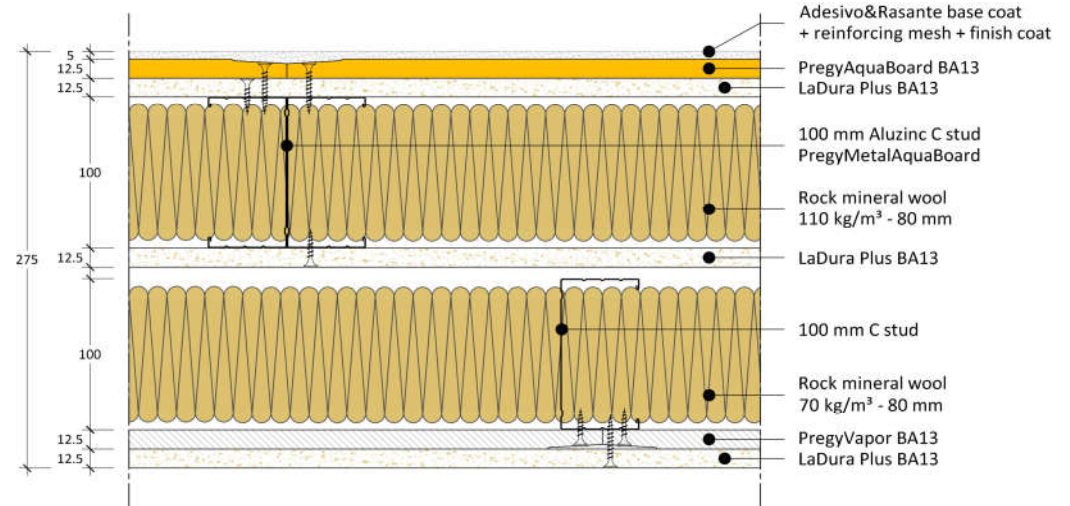
|                 |                  |                  |  |
|-----------------|------------------|------------------|--|
| Board in cavity | Board layer      | Single           |  |
|                 | Board type       | LaDura Plus BA13 |  |
|                 | Reaction to fire | A2-s1,d0         |  |
|                 | Board thickness  | 12,5 mm          |  |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |  |
|-------------|------------|--|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick                |
|             | Inner side | Simple 100 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

All performance data and system specifications are for system constructed with materials and components as shown. The inclusion or substitution of any other manufacturers material or component invalidates both test data and system performance.

Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division. Heights in table already satisfy maximum heights according to Fire Test Report.

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Specification:

AquaBoard infill wall 275 mm thick: one 12,5 mm thick LaDura Plus BA13 as inner layer and one 12,5 mm thick PregyAquaBoard BA13 as outer layer on the outer side, one 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by PregyMetal 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 67 dB

Thermal transmittance U: 0,178 W/m<sup>2</sup>K

Fire rating: EI 120 - Test report IG n. 297596/3457 FR + FT 310661

AQB-1 300/M150 + M75 - 1 PV BA13 + 3 LaDura BA13 + 1 AQB BA13 - RW/120 + RW/60

|                     |                                    |   |  |
|---------------------|------------------------------------|---|--|
| System performances | Wall thickness                     | 300 mm  |  |
|                     | Max wall height                    | 4,00 m  |  |
|                     | Airborne sound insulation Rw       | 67 dB   |  |
|                     | Thermal transmittance U            | 0,165 W/m <sup>2</sup> K                              |  |
|                     | Thermal resistance R               | 6,07 m <sup>2</sup> K/W                               |  |
|                     | Periodic thermal transmittance Yie | 0,040 W/m <sup>2</sup> K                              |  |
|                     | Thermal phase shifting             | 9h 10'  |  |
|                     | Fire rating                        | EI 120 - Test report IG n. 297596/3457 FR + FT 310661 |  |

|            |                  |                  |                     |
|------------|------------------|------------------|---------------------|
| Outer side | Board layer      | Inner            | Outer               |
|            | Board type       | LaDura Plus BA13 | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0         | A2-s1,d0            |
|            | Board thickness  | 12,5 mm          | 12,5 mm             |

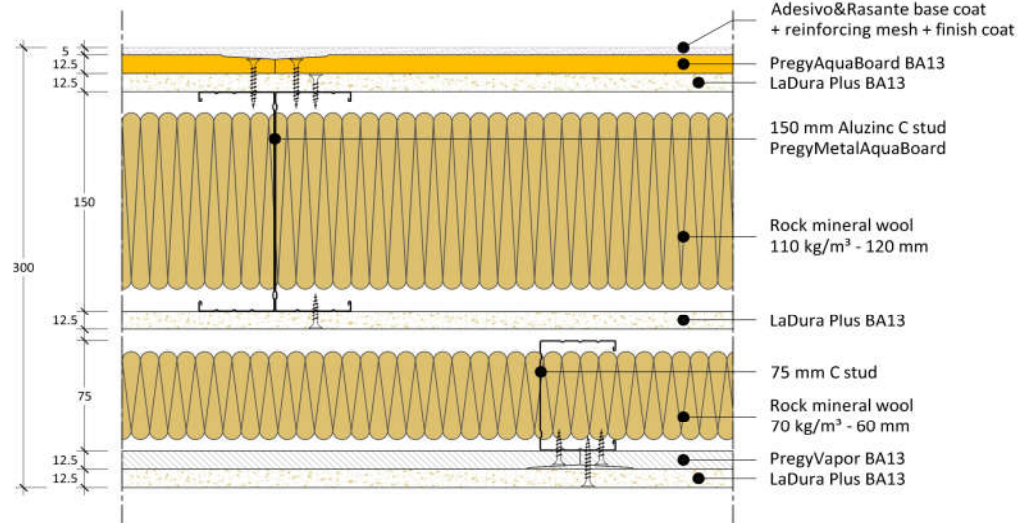
|                 |                  |                  |  |
|-----------------|------------------|------------------|--|
| Board in cavity | Board layer      | Single           |  |
|                 | Board type       | LaDura Plus BA13 |  |
|                 | Reaction to fire | A2-s1,d0         |  |
|                 | Board thickness  | 12,5 mm          |  |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick               |
|             | Inner side | Simple 75 mm C studs at 60 cm maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4   |
|                   | 30           | 3,5                | 4   |

Remarks:

All performance data and system specifications are for system constructed with materials and components as shown. The inclusion or substitution of any other manufacturers material or component invalidates both test data and system performance.

Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division. Heights in table already satisfy maximum heights according to Fire Test Report.

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Airborne sound insulation Rw is related to test conditions. Actual acoustic performance in situ (R'w) is influenced by acoustic bridges (peripheral transmissions through floors, ceilings, corners) and by imperfections in installation.

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Specification:

AquaBoard infill wall 300 mm thick: one 12,5 mm thick LaDura Plus BA13 as inner layer and one 12,5 mm thick PregyAquaBoard BA13 as outer layer on the outer side, one 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.

Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 67 dB

Thermal transmittance U: 0,1648 W/m<sup>2</sup>K

Fire rating: EI 120 - Test report IG n. 297596/3457 FR + FT 310661



AQB-1 325/M150 + M100 - 1 PV BA13 + 3 LaDura BA13 + 1 AQB BA13 - RW/120 + RW/80

|                     |                                    |   |  |
|---------------------|------------------------------------|---|--|
| System performances | Wall thickness                     | 325 mm  |  |
|                     | Max wall height                    | 4,00 m  |  |
|                     | Airborne sound insulation Rw       | 68 dB   |  |
|                     | Thermal transmittance U            | 0,139 W/m <sup>2</sup> K                              |  |
|                     | Thermal resistance R               | 7,19 m <sup>2</sup> K/W                               |  |
|                     | Periodic thermal transmittance Yie | 0,031 W/m <sup>2</sup> K                              |  |
|                     | Thermal phase shifting             | 9h 30'  |  |
|                     | Fire rating                        | EI 120 - Test report IG n. 297596/3457 FR + FT 310661 |  |

|            |                  |                  |                     |
|------------|------------------|------------------|---------------------|
| Outer side | Board layer      | Inner            | Outer               |
|            | Board type       | LaDura Plus BA13 | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0         | A2-s1,d0            |
|            | Board thickness  | 12,5 mm          | 12,5 mm             |

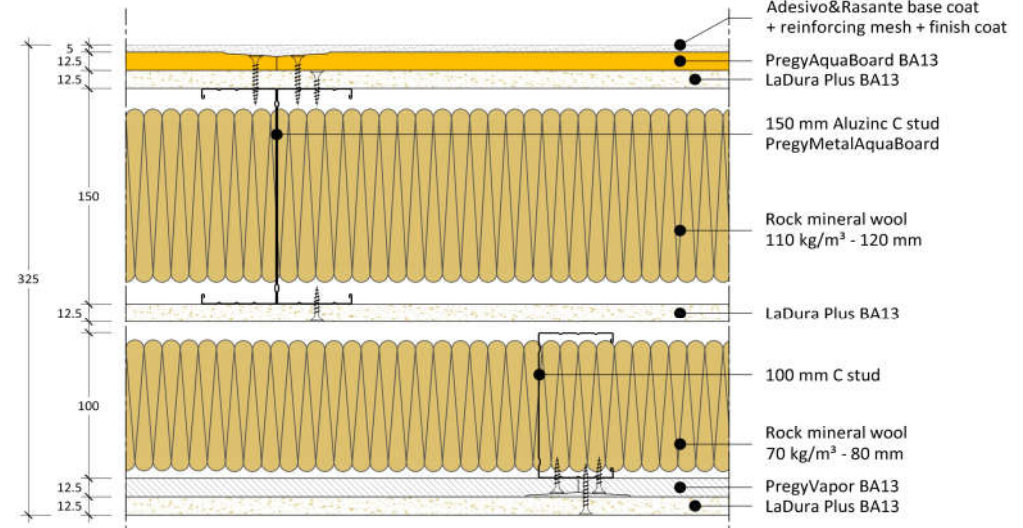
|                 |                  |                  |  |
|-----------------|------------------|------------------|--|
| Board in cavity | Board layer      | Single           |  |
|                 | Board type       | LaDura Plus BA13 |  |
|                 | Reaction to fire | A2-s1,d0         |  |
|                 | Board thickness  | 12,5 mm          |  |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |            |  |
|-------------|------------|--|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick                |
|             | Inner side | Simple 100 mm C studs at 60 cm maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4   |
|                   | 30           | 3,5                | 4   |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division. Heights in table already satisfy maximum heights according to Fire Test Report.

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Airborne sound insulation Rw is related to test conditions. Actual acoustic performance in situ (R'w) is influenced by acoustic bridges (peripheral transmissions through floors, ceilings, corners) and by imperfections in installation.

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Specification:

AquaBoard infill wall 325 mm thick: one 12,5 mm thick LaDura Plus BA13 as inner layer and one 12,5 mm thick PregyAquaBoard BA13 as outer layer on the outer side, one 12,5 mm thick LaDura Plus BA13 in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.

Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.

Inner metal frame composed by PregyMetal 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 68 dB

Thermal transmittance U: 0,139 W/m<sup>2</sup>K

Fire rating: EI 120 - Test report IG n. 297596/3457 FR + FT 310661

AQB-2 248/M150 - 1 PV BA13 + 1 LaDura BA13 + 1 AQB BA13 - RW/120

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 247,5 mm                 |
|                     | Max wall height                    | 5,00 m                   |
|                     | Airborne sound insulation Rw       | 57 dB                    |
|                     | Thermal transmittance U            | 0,186 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 5,36 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,080 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 8h 8'                    |
| Fire rating         | -                                  |                          |

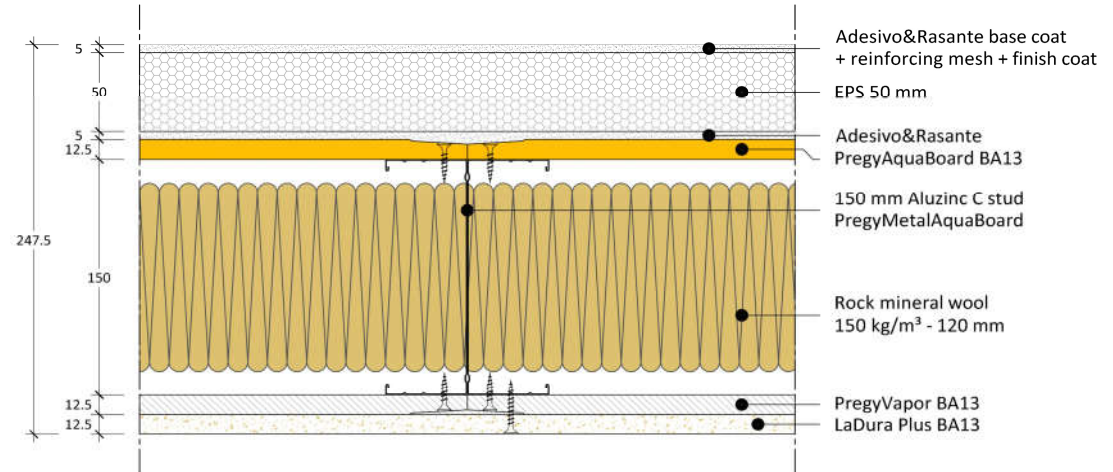
|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Inner side | Board layer      | Inner           | Outer            |
|            | Board type       | PregyVapor BA13 | LaDura Plus BA13 |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0         |
|            | Board thickness  | 12,5 mm         | 12,5 mm          |

|             |           |                                 |
|-------------|-----------|---------------------------------|
| Metal frame | Stud type | 150 mm AQB C studs 0,6 mm thick |
|-------------|-----------|---------------------------------|

|            |               |   |
|------------|---------------|---|
| Insulation | In the cavity | Rock wool 150 kg/m <sup>3</sup> density, 120 mm thick |
|------------|---------------|---|

|                    |  |
|--------------------|--|
| Exterior finishing | 50 mm thick EPS insulation boards secured to the substrate with Adesivo&Rasante AquaBoard adhesive. Exterior coating made with Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|--|



| Studs     | Spacing [cm] | Maximum height [m] |     |
|-----------|--------------|--------------------|-----|
|           |              | C                  | I   |
| 47-149-50 | 60           | -                  | 3,5 |
|           | 40           | 3                  | 4,3 |
|           | 30           | 3,5                | 5   |

Remarks:

All performance data and system specifications are for system constructed with materials and components as shown. The inclusion or substitution of any other manufacturers material or component invalidates both test data and system performance.

Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Airborne sound insulation Rw is related to test conditions. Actual acoustic performance in situ (R'w) is influenced by acoustic bridges (peripheral transmissions through floors, ceilings, corners) and by imperfections in installation.

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Specification:

AquaBoard infill wall with exterior insulation finishing system (EIFS) 247,5 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side and one 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick LaDura Plus BA13 as outer layer on the inner side.  
 Metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 150 kg/m<sup>3</sup> density, 120 mm thick.  
 Exterior insulation finishing system composed by 50 mm thick EPS insulation boards secured to the substrate with Adesivo&Rasante AquaBoard adhesive. Exterior coating made with Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions.  
 Partition maximum height: 5 m  
 Airborne Sound Insulation Rw: 57 dB  
 Thermal transmittance U: 0,1864 W/m<sup>2</sup>K  
 Fire rating: -

AQB-1 240/M100 + M75 - 1 PV BA13 + 1 AQB BA13 + 2 S-tex - RW/80 + RW/60

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 240 mm                   |
|                     | Max wall height                    | 4,00 m                   |
|                     | Airborne sound insulation Rw       | 68 dB                    |
|                     | Thermal transmittance U            | 0,200 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 5,00 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,090 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 7h 17'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

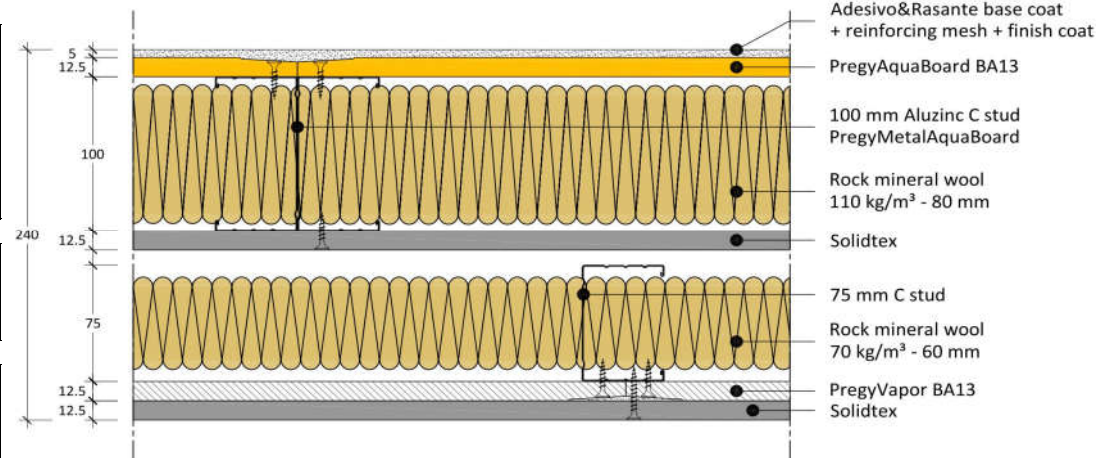
|                 |                  |          |
|-----------------|------------------|----------|
| Board in cavity | Board layer      | Single   |
|                 | Board type       | Solidtex |
|                 | Reaction to fire | A2-s1,d0 |
|                 | Board thickness  | 12,5 mm  |

|            |                  |                 |          |
|------------|------------------|-----------------|----------|
| Inner side | Board layer      | Inner           | Outer    |
|            | Board type       | PregyVapor BA13 | Solidtex |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0 |
|            | Board thickness  | 12,5 mm         | 12,5 mm  |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick               |
|             | Inner side | Simple 75 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Specification:

AquaBoard infill wall 240 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, one 12,5 mm thick Solidtex in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick Solidtex as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 68 dB

Thermal transmittance U: 0,2 W/m<sup>2</sup>K

Fire rating: -

AQB-1 250/M100 + M75 - 1 PV BA13 + 1 AQB BA13 + 3 S-tex - RW/80 + RW/60

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 250 mm                   |
|                     | Max wall height                    | 4,00 m                   |
|                     | Airborne sound insulation Rw       | 70 dB                    |
|                     | Thermal transmittance U            | 0,200 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 5,00 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,060 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 8h 14'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

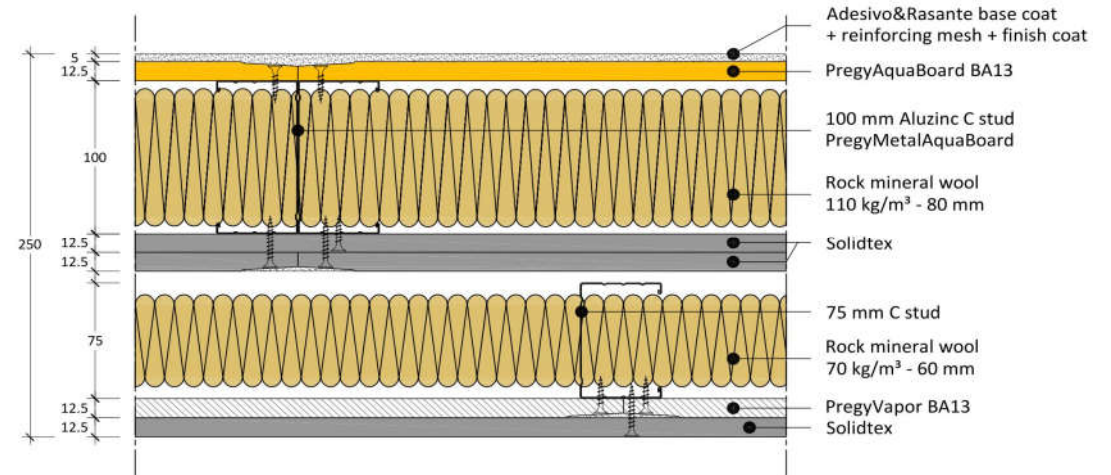
|                 |                  |          |
|-----------------|------------------|----------|
| Board in cavity | Board layer      | Double   |
|                 | Board type       | Solidtex |
|                 | Reaction to fire | A2-s1,d0 |
|                 | Board thickness  | 12,5 mm  |

|            |                  |                 |          |
|------------|------------------|-----------------|----------|
| Inner side | Board layer      | Inner           | Outer    |
|            | Board type       | PregyVapor BA13 | Solidtex |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0 |
|            | Board thickness  | 12,5 mm         | 12,5 mm  |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick               |
|             | Inner side | Simple 75 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Specification:

AquaBoard infill wall 250 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, two 12,5 mm thick Solidtex in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick Solidtex as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 70 dB

Thermal transmittance U: 0,2 W/m<sup>2</sup>K

Fire rating: -



AQB-1 265/M100 + M100 - 1 PV BA13 + 1 AQB BA13 + 2 S-tex - RW/80 + RW/80

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 265 mm                   |
|                     | Max wall height                    | 4,00 m                   |
|                     | Airborne sound insulation Rw       | 68 dB                    |
|                     | Thermal transmittance U            | 0,180 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 5,56 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,070 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 7h 51'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

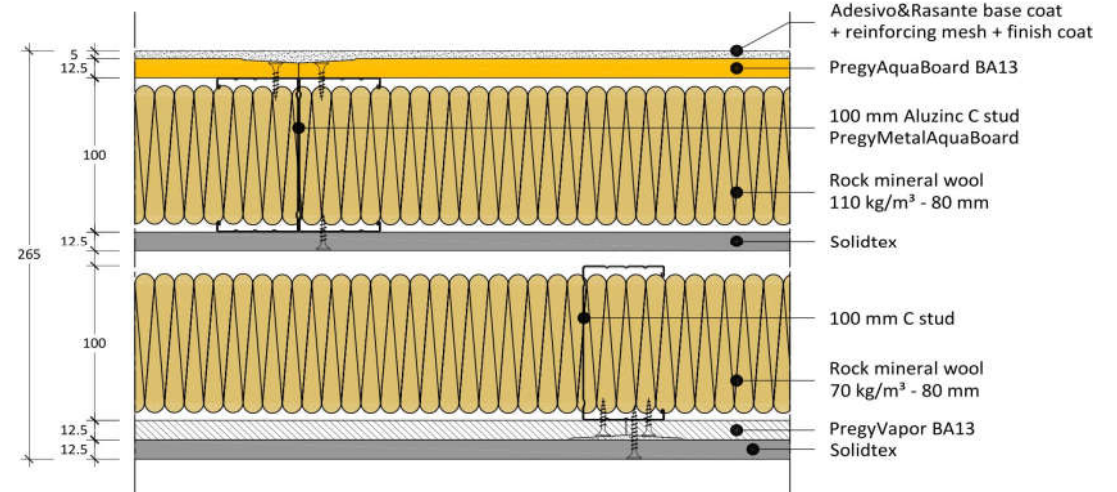
|                 |                  |          |
|-----------------|------------------|----------|
| Board in cavity | Board layer      | Single   |
|                 | Board type       | Solidtex |
|                 | Reaction to fire | A2-s1,d0 |
|                 | Board thickness  | 12,5 mm  |

|            |                  |                 |          |
|------------|------------------|-----------------|----------|
| Inner side | Board layer      | Inner           | Outer    |
|            | Board type       | PregyVapor BA13 | Solidtex |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0 |
|            | Board thickness  | 12,5 mm         | 12,5 mm  |

|             |            |  |
|-------------|------------|--|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick                |
|             | Inner side | Simple 100 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Specification:

AquaBoard infill wall 265 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, one 12,5 mm thick Solidtex in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick Solidtex as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by PregyMetal 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 68 dB

Thermal transmittance U: 0,18 W/m<sup>2</sup>K

Fire rating: -

AQB-1 275/M100 + M100 - 1 PV BA13 + 1 AQB BA13 + 3 S-tex - RW/80 + RW/80

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 275 mm                   |
|                     | Max wall height                    | 4,00 m                   |
|                     | Airborne sound insulation Rw       | 70 dB                    |
|                     | Thermal transmittance U            | 0,180 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 5,56 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,050 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 8h 43'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

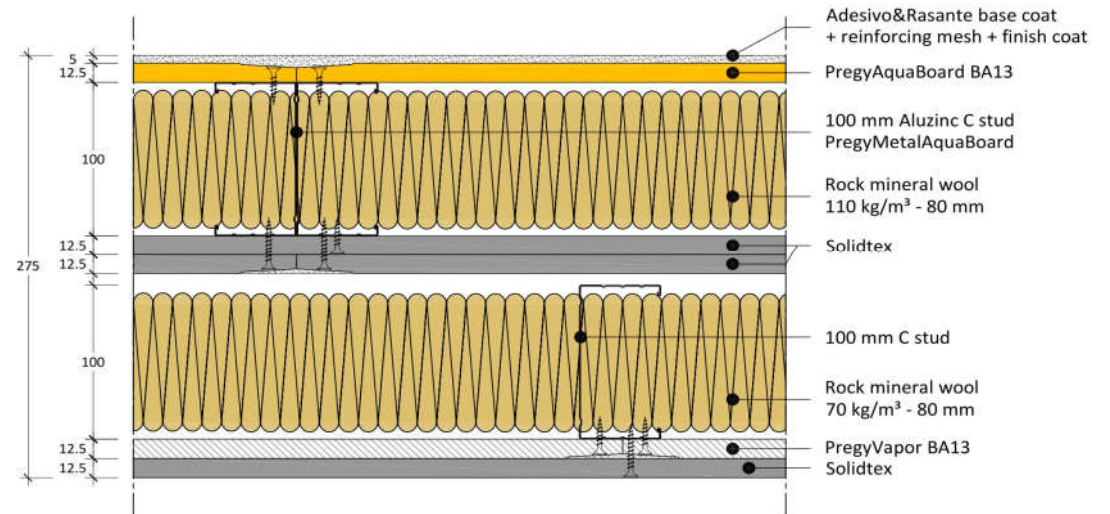
|                 |                  |          |
|-----------------|------------------|----------|
| Board in cavity | Board layer      | Double   |
|                 | Board type       | Solidtex |
|                 | Reaction to fire | A2-s1,d0 |
|                 | Board thickness  | 12,5 mm  |

|            |                  |                 |          |
|------------|------------------|-----------------|----------|
| Inner side | Board layer      | Inner           | Outer    |
|            | Board type       | PregyVapor BA13 | Solidtex |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0 |
|            | Board thickness  | 12,5 mm         | 12,5 mm  |

|             |            |  |
|-------------|------------|--|
| Metal frame | Outer side | 100 mm AQB C studs 0,6 mm thick                |
|             | Inner side | Simple 100 mm C studs at 60 cm maximum spacing |

|            |            |  |
|------------|------------|--|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 80 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick  |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |      |
|-------------------|--------------|--------------------|------|
|                   |              |                    |      |
| 47-99-50          | 60           | -                  | 2,85 |
|                   | 40           | -                  | 3,5  |
|                   | 30           | 2,85               | 4    |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Specification:

AquaBoard infill wall 275 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, two 12,5 mm thick Solidtex in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick Solidtex as outer layer on the inner side.

Outer metal frame composed by 100 mm PregyMetalAquaBoard U tracks 1 mm thick and 100 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 80 mm thick.

Inner metal frame composed by PregyMetal 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.

Partition maximum height: 4 m

Airborne Sound Insulation Rw: 70 dB

Thermal transmittance U: 0,18 W/m<sup>2</sup>K

Fire rating: -

AQB-1 290/M150 + M75 - 1 PV BA13 + 1 AQB BA13 + 2 S-tex - RW/120 + RW/60

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 290 mm                   |
|                     | Max wall height                    | 5,00 m                   |
|                     | Airborne sound insulation Rw       | 69 dB                    |
|                     | Thermal transmittance U            | 0,150 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 6,67 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,050 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 9h 29'                   |
| Fire rating         | -                                  |                          |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

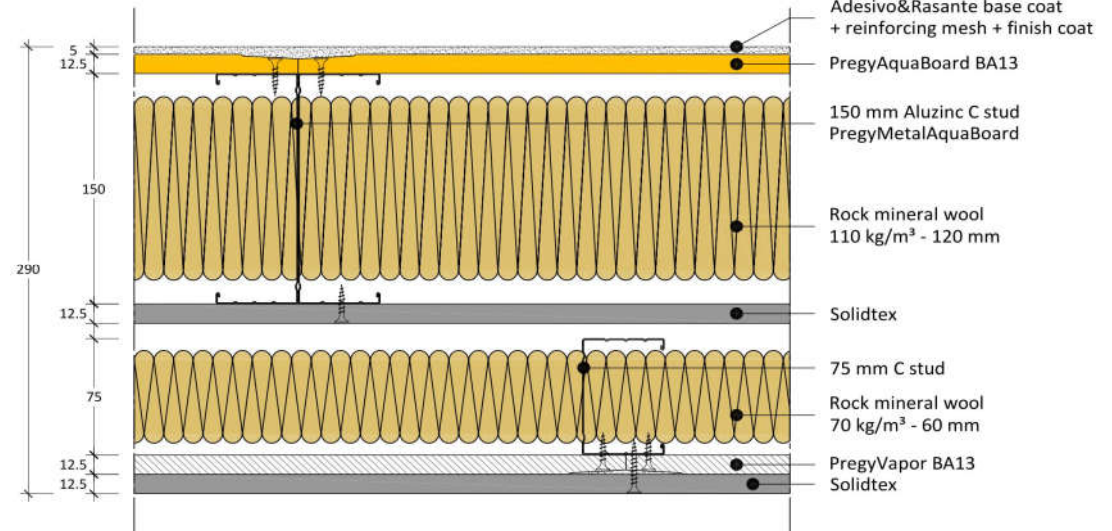
|                 |                  |          |
|-----------------|------------------|----------|
| Board in cavity | Board layer      | Single   |
|                 | Board type       | Solidtex |
|                 | Reaction to fire | A2-s1,d0 |
|                 | Board thickness  | 12,5 mm  |

|            |                  |                 |          |
|------------|------------------|-----------------|----------|
| Inner side | Board layer      | Inner           | Outer    |
|            | Board type       | PregyVapor BA13 | Solidtex |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0 |
|            | Board thickness  | 12,5 mm         | 12,5 mm  |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick   |
|             | Inner side | Simple 75 mm C studs at 60 cm (40 cm for height > 4 m) cm maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4,3 |
|                   | 30           | 3,5                | 5   |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Specification:

AquaBoard infill wall 290 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, one 12,5 mm thick Solidtex in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick Solidtex as outer layer on the inner side.

Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.

Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm (40 cm for height > 4 m) cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.

Partition maximum height: 5 m

Airborne Sound Insulation Rw: 69 dB

Thermal transmittance U: 0,15 W/m<sup>2</sup>K

Fire rating: -



AQB-1 300/M150 + M75 - 1 PV BA13 + 1 AQB BA13 + 3 S-tex - RW/120 + RW/60

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 300 mm                   |
|                     | Max wall height                    | 5,00 m                   |
|                     | Airborne sound insulation Rw       | 71 dB                    |
|                     | Thermal transmittance U            | 0,150 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 6,67 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,030 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 10h 19'                  |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

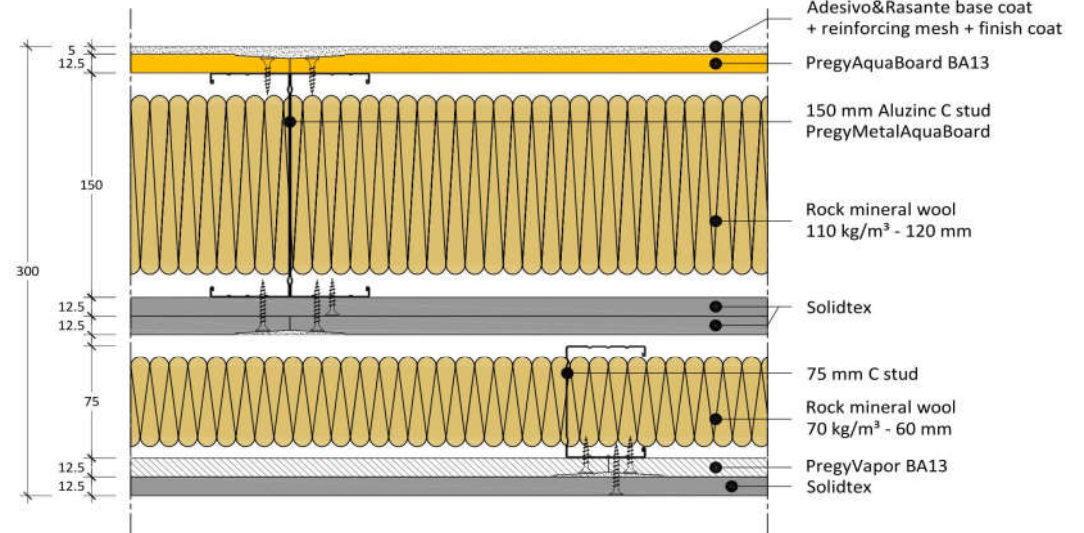
|                 |                  |          |
|-----------------|------------------|----------|
| Board in cavity | Board layer      | Double   |
|                 | Board type       | Solidtex |
|                 | Reaction to fire | A2-s1,d0 |
|                 | Board thickness  | 12,5 mm  |

|            |                  |                 |          |
|------------|------------------|-----------------|----------|
| Inner side | Board layer      | Inner           | Outer    |
|            | Board type       | PregyVapor BA13 | Solidtex |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0 |
|            | Board thickness  | 12,5 mm         | 12,5 mm  |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick   |
|             | Inner side | Simple 75 mm C studs at 60 cm (40 cm for height > 4 m) cm maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 60 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4,3 |
|                   | 30           | 3,5                | 5   |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Specification:

AquaBoard infill wall 300 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, two 12,5 mm thick Solidtex in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick Solidtex as outer layer on the inner side.

Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.

Inner metal frame composed by PregyMetal 75 mm U tracks 0,6 mm thick and Simple 75 mm C studs at 60 cm (40 cm for height > 4 m) cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 60 mm thick.

Partition maximum height: 5 m

Airborne Sound Insulation Rw: 71 dB

Thermal transmittance U: 0,15 W/m<sup>2</sup>K

Fire rating: -

AQB-1 315/M150 + M100 - 1 PV BA13 + 1 AQB BA13 + 2 S-tex - RW/120 + RW/80

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 315 mm                   |
|                     | Max wall height                    | 5,00 m                   |
|                     | Airborne sound insulation Rw       | 69 dB                    |
|                     | Thermal transmittance U            | 0,140 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 7,14 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,040 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 10h 2'                   |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

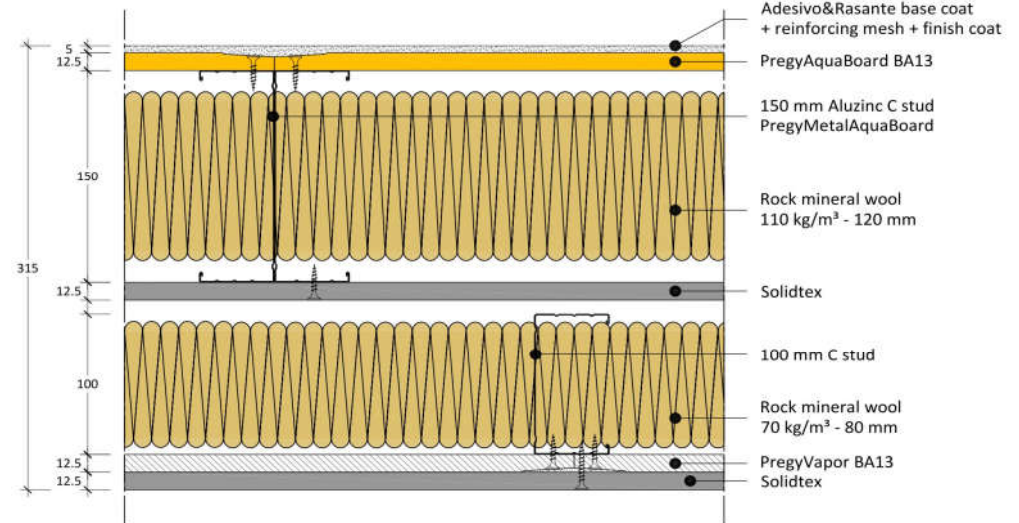
|                 |                  |          |
|-----------------|------------------|----------|
| Board in cavity | Board layer      | Single   |
|                 | Board type       | Solidtex |
|                 | Reaction to fire | A2-s1,d0 |
|                 | Board thickness  | 12,5 mm  |

|            |                  |                 |          |
|------------|------------------|-----------------|----------|
| Inner side | Board layer      | Inner           | Outer    |
|            | Board type       | PregyVapor BA13 | Solidtex |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0 |
|            | Board thickness  | 12,5 mm         | 12,5 mm  |

|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick                   |
|             | Inner side | Simple 100 mm C studs at 60 cm cm maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4,3 |
|                   | 30           | 3,5                | 5   |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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Specification:

AquaBoard infill wall 315 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, one 12,5 mm thick Solidtex in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick Solidtex as outer layer on the inner side.

Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.

Inner metal frame composed by PregyMetal 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.

Partition maximum height: 5 m

Airborne Sound Insulation Rw: 69 dB

Thermal transmittance U: 0,14 W/m<sup>2</sup>K

Fire rating: -

AQB-1 325/M150 + M100 - 1 PV BA13 + 1 AQB BA13 + 3 S-tex - RW/120 + RW/80

|                     |                                    |                          |
|---------------------|------------------------------------|--------------------------|
| System performances | Wall thickness                     | 325 mm                   |
|                     | Max wall height                    | 5,00 m                   |
|                     | Airborne sound insulation Rw       | 71 dB                    |
|                     | Thermal transmittance U            | 0,140 W/m <sup>2</sup> K |
|                     | Thermal resistance R               | 7,14 m <sup>2</sup> K/W  |
|                     | Periodic thermal transmittance Yie | 0,020 W/m <sup>2</sup> K |
|                     | Thermal phase shifting             | 10h 48'                  |
|                     | Fire rating                        | -                        |

|            |                  |                     |
|------------|------------------|---------------------|
| Outer side | Board layer      | Single              |
|            | Board type       | PregyAquaBoard BA13 |
|            | Reaction to fire | A2-s1,d0            |
|            | Board thickness  | 12,5 mm             |

|                 |                  |          |
|-----------------|------------------|----------|
| Board in cavity | Board layer      | Double   |
|                 | Board type       | Solidtex |
|                 | Reaction to fire | A2-s1,d0 |
|                 | Board thickness  | 12,5 mm  |

|            |                  |                 |          |
|------------|------------------|-----------------|----------|
| Inner side | Board layer      | Inner           | Outer    |
|            | Board type       | PregyVapor BA13 | Solidtex |
|            | Reaction to fire | A2-s1,d0        | A2-s1,d0 |
|            | Board thickness  | 12,5 mm         | 12,5 mm  |

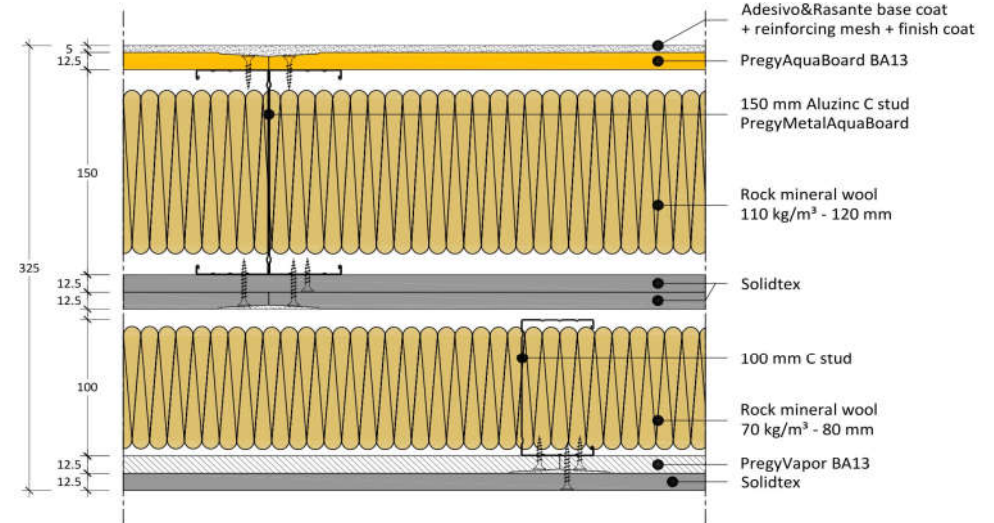
|             |            |   |
|-------------|------------|---|
| Metal frame | Outer side | 150 mm AQB C studs 0,6 mm thick                   |
|             | Inner side | Simple 100 mm C studs at 60 cm cm maximum spacing |

|            |            |   |
|------------|------------|---|
| Insulation | Outer side | Rock wool 110 kg/m <sup>3</sup> density, 120 mm thick |
|            | Inner side | Rock wool 70 kg/m <sup>3</sup> density, 80 mm thick   |

|                    |   |
|--------------------|---|
| Exterior finishing | Adesivo&Rasante AquaBoard base coat with AquaBoard fiber glass reinforcing mesh and Mapei finish coat according to Siniat instructions. |
|--------------------|---|

Specification:

AquaBoard infill wall 325 mm thick: one 12,5 mm thick PregyAquaBoard BA13 on the outer side, two 12,5 mm thick Solidtex in the cavity, screwed on the outer frame. One 12,5 mm thick PregyVapor BA13 as inner layer and one 12,5 mm thick Solidtex as outer layer on the inner side.  
Outer metal frame composed by 150 mm PregyMetalAquaBoard U tracks 1 mm thick and 150 mm PregyMetalAquaBoard C studs 0,6 mm thick. Cavity: Rock wool 110 kg/m<sup>3</sup> density, 120 mm thick.  
Inner metal frame composed by PregyMetal 100 mm U tracks 0,6 mm thick and Simple 100 mm C studs at 60 cm cm maximum spacing. Cavity: Rock wool 70 kg/m<sup>3</sup> density, 80 mm thick.  
Partition maximum height: 5 m  
Airborne Sound Insulation Rw: 71 dB  
Thermal transmittance U: 0,14 W/m<sup>2</sup>K  
Fire rating: -



| Outer frame studs | Spacing [cm] | Maximum height [m] |     |
|-------------------|--------------|--------------------|-----|
|                   |              |                    |     |
| 47-149-50         | 60           | -                  | 3,5 |
|                   | 40           | 3                  | 4,3 |
|                   | 30           | 3,5                | 5   |

Remarks:

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Maximum heights are for system considering an horizontal load of 1 kN/m imposed at 1,20 m height above the floor and 100 daN/m<sup>2</sup> uniform wind pressure. For different loads please contact Siniat Italy Technical Division.

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