



## TECHNICAL DATA

## Mustwall

### Sound insulation for walls and floors

#### Product description and Technical Specification

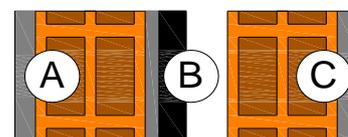
..... mm acoustic insulation panels, made of SBR (Stirene Butadiene Rubber) rubber granules and EPDM (Ethylene Propylene Diene Monomer) rubber granules compacted using a polyurethane binder in a hot process. A non-woven, non-stretch synthetic backing is applied on both sides for added protection. The panels dimensions are 1,2 m length and 1 m width with a density of ..... kg/m<sup>3</sup>.

- durable material
- easy to install
- high resistance to humidity and condensation



| PHYSICAL CHARACTERISTICS | Standard | Unit              | 10           | 20  | Tolerance |
|--------------------------|----------|-------------------|--------------|-----|-----------|
| Nominal thickness        |          | mm                | 10           | 20  | ± 1       |
| Length                   |          | m                 | 1.20         |     | ± 0.01    |
| Width                    |          | m                 | 1.00         |     | ± 0.01    |
| Density                  |          | kg/m <sup>3</sup> | 800          | 700 | ± 5%      |
| Overall Superficial mass |          | kg/m <sup>2</sup> | 8            | 14  | ± 5%      |
| Colour                   |          |                   | grey / black |     |           |

| ACOUSTIC CHARACTERISTICS                            | Standard     | Unit              | 10                | 20                |  |
|---|--------------|-------------------|-------------------|-------------------|--|
| Wall composition - 260 mm thick                     |              |                   |                   |                   |  |
| A: plaster 15 mm, hollow brick 80 mm, plaster 10 mm |              |                   |                   |                   |  |
| B: Mustwall and air cavity                          |              |                   |                   |                   |  |
| C: hollow brick 80 mm, plaster 15 mm                |              |                   |                   |                   |  |
| Transmission loss (R <sub>w</sub> )                 | EN ISO 10140 | dB                | 53 <sup>(1)</sup> | 55 <sup>(2)</sup> |  |
| Dynamic stiffness (s')                              | EN 29052-1   | MN/m <sup>3</sup> | 287               | 200               |  |



| TECHNICAL CHARACTERISTICS            | Standard    | Unit | Unit | 10    | 20 |  |
|--------------------------------------|-------------|------|------|-------|----|--|
| Thermal conductivity coefficient (λ) | EN 12667    |      | W/mK | 0.109 |    |  |
| Fire grade                           | 2000/147/CE |      |      | F     |    |  |

#### PACKING AND STORING

Each pallet is wrapped and protected with a polythene film. Although the wrapping is waterproof, inside storage is recommended to avoid possible wet storing

<sup>(1)</sup> Test Report n. 3903/RP/05 of 2005; ITC of San Giuliano Milanese (MI)

<sup>(2)</sup> Test Report n. 4267/RP/06 of 2006; ITC of San Giuliano Milanese (MI)

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## INSTALLATION INSTRUCTIONS



Lay the under wall strip in the dry floor before to build the wall.



Build up the wall by caring to joint the blocks with mortar on both vertical and horizontal joints.



Apply in the first wall a layer of row mortar of about 1 cm thickness

### GLUE APPLICATION



Apply the glue on the panel by spreading it on dots.  
(suggested glue Knauf Perlfix)



Apply the panel on the wall by forcing with homogeneous pressure.

### NAILS APPLICATION



Place the panel on the right wall position and produce 5 holes per panel with the driller (one in the centre and one in the four corners)



Apply the five plastic nails with the hammer.



When all panels are fixed seal the panel joints with the "Stik" tape.



Build up the second wall by caring to joint the blocks with mortar on both vertical and horizontal joints.



Realize the final plastering