



## Wedges & Moldings

## Technical sheet

# Mineral fiber-reinforced calcium silicate insulation wedges & moldings

### Fields of application:

- in wall and ceiling connecting areas
- for the compensation of thermal bridges
- in transition areas to enhance insulation performance
- for the prevention of condensate
- for the creation of a comfortable indoor climate

### System components:

- Calcium silicate board
- Special Adhesive
- Filler (for joints and all over the surface)
- Primer (for priming the interior surface before finishing)

### Properties:

- made of fiber-reinforced calcium silicate
- high alkalinity prevents formation of mold
- allows high water damp diffusion
- enhances the insulation performance
- light weight
- non combustible
- monolithic structure

### Technical data:

|  |  |
|--|--|
| Material   | Calcium silicate                                       |
| Standard dimensions  | 1000 x 250 mm per wedge                                |
| Thickness  | 25-1 mm  |
| Combustibility   | non-combustible, A1                                    |
| Bulk density   | 516 lb/yd <sup>3</sup> (300 kg/m <sup>3</sup> ) ± 10 % |
| Compressive strength   | 1.75 N/mm <sup>2</sup>                                 |
| Thermal conductivity λ   | 0.063 W/mK   |
| Water vapour resistance μ  | 5  |
| Total porosity   | 84.2 Vol.-%  |
| pH value   | approx. 10.5   |
| Change in the form (storage in water)                                | +0.149 Vol.-%  |
| Change in the form (increase of relative humidity from 50 % to 90 %) | +0.01 Vol.-%   |
| Flexural strength (dry)  | 1.1 N/mm <sup>2</sup>                                  |
| Water absorption coefficient w                                       | 77.5 kg/(m <sup>2</sup> h <sup>0,5</sup> )             |
| Water saturation w <sub>s</sub>                                      | 830 kg/m <sup>3</sup>                                  |
| Value of saturation w <sub>s</sub>                                   | 83.0 Vol.-%  |
| Humidity content w <sub>v</sub>                                      | 0.46 Vol.-%  |

## Wedges & Moldings

## Technical sheet

### Processing directions:

It is recommended to perform a precise analysis of the damage before rebuilding (e. g. humidity analysis). Please follow the instructions in the technical sheets of the system components.

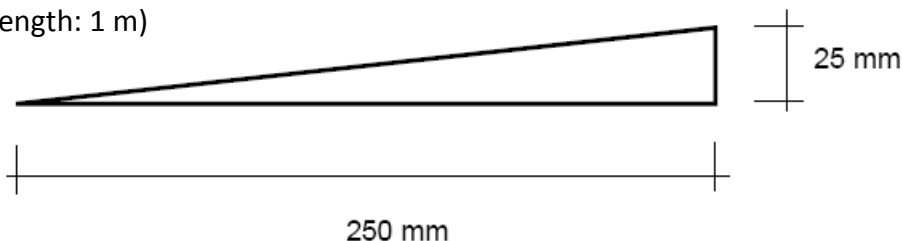
### Pre-treatment of the surface:

The mineral surface must be clean, adherent and sustainable, free of residuals (acid salts, bitumen, coatings, oil and the like) as well as mold. Contaminated materials (e. g. gypsum containing materials or wallpapers) must be removed to rule. High absorbing surfaces should be moistened. The required disinfection is made with Sporicide Spray . With gypsum containing surfaces, disinfection is required.

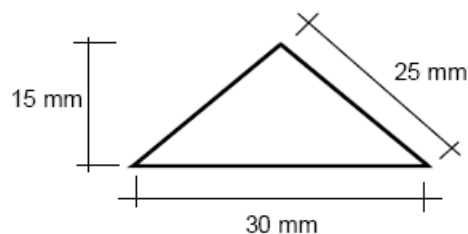
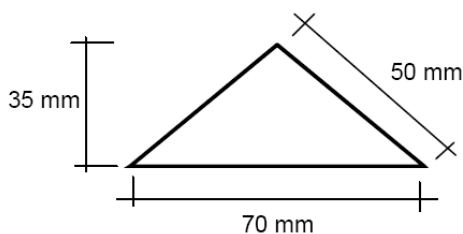
### Processing:

Cut the Wedges & Moldings to the desired dimension. Mix the Special Adhesive in accordance to the technical leaflet and apply it to the board or to the wall using a notched trowel. Application and alignment is made while pressing the board steadily against the wall. Apply Special Adhesive to the edges of the board before butt jointing the next board. Joints can be finished after 12 hours. Before finishing apply Special Primer all over the surface.

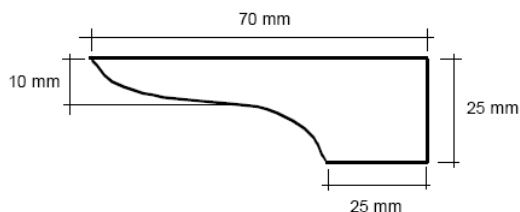
Wedge (Length: 1 m)



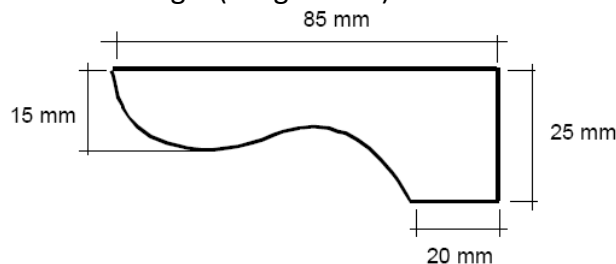
Triangular wedges (Length: 1 m)



Molding A (Length: 1 m)



Molding B (Length: 1 m)



The data contained in this document are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions or technical data etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. All former technical leaflets are replaced by this one.