



## 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 $\lambda$	0.063 W/mK
Water vapour resistance $\mu$	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.-%

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### 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.

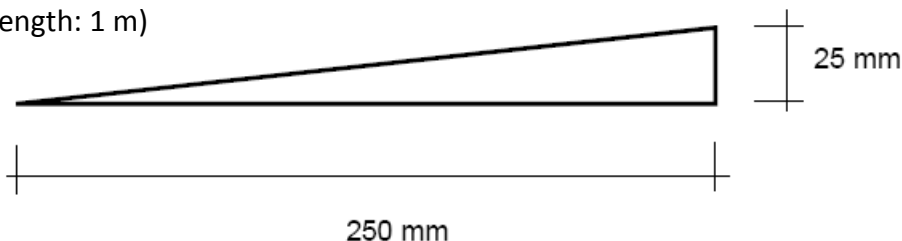
### Pre-treatment of the surface:

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.

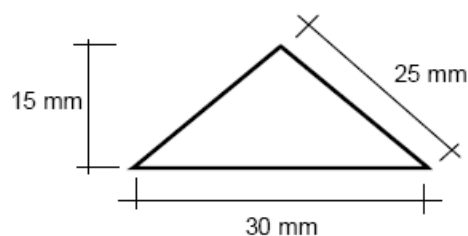
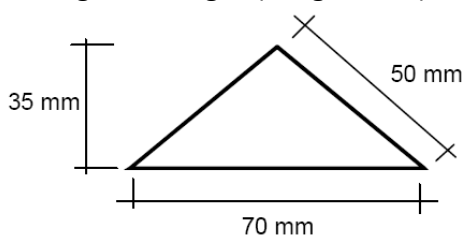
### Processing:

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.

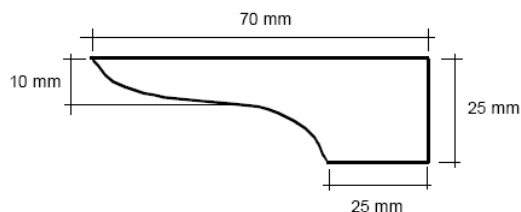
Wedge (Length: 1 m)



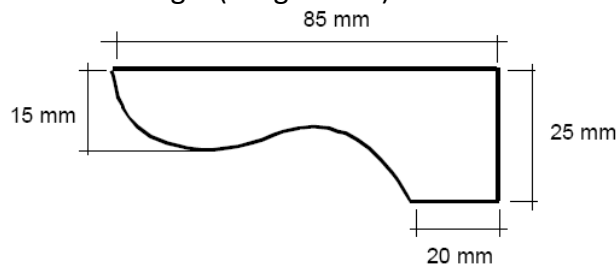
Triangular wedges (Length: 1 m)



Molding A (Length: 1 m)



Molding B (Length: 1 m)



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