



Mold Preventing Interior Board

Technical sheet

Mineral fiber-reinforced calcium silicate insulation board

Fields of application:

- for the prevention of mold
- to enhance insulation performance
- for the absorption of excess humidity in indoor air
- for the prevention of condensate
- for the creation of a comfortable indoor climate

System components:

- 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 growth of mold
- allows high water damp diffusion
- enhances the insulation performance
- light weight
- non combustible
- monolithic structure

Technical data:

Material	Calcium silicate
Standard dimensions per board	4' - 1¼" x 3' - 3⅝" (1520 x 1000 mm)
Thickness	1", 1 3/16", 2" (25, 30, 50 mm)
Fire rating	non-combustible, A1
Bulk density	516 lb/yd ³ (305 kg/m ³) ± 10 %
Compressive strength	1.6 N/mm ²
Thermal conductivity	
- current test report, MPA Bremen (DIN52612)	0.0627 W/mK
- in accordance with national technical approval	0.0805 W/mK
Water vapour resistance	μ = 5
Total porosity	84.2 Vol.-%
pH value	approx. 9 - 10
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 ²
Water absorption coefficient w	77.5 kg/(m ² h ^{0,5})
Water saturation w _s	830 kg/m ³
Value of saturation w _s	83.0 Vol.-%
Humidity content w _v	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 mould. 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 board to the desired dimension. Chamfer the room-side edges. Mix the Special Adhesive in accordance to its technical sheet and apply it to the board or to the wall using a notched trowel or applying blobs in the middle and a bead around the fringe (blob-bead-method). Application and alignment is made while pressing the board steadily against the wall.

Avoid cross joints. Apply Special Adhesive to the edges of the board before butt jointing the next board. Joints can be finished after 12 hours.

Room-side edges should be protected from mechanic damage with non-corrosive corner protection fixed with the Special Adhesive.

After fixing the boards the surface is treated with Special Primer before finishing the surface.

Maintenance of industrial health and safety standards:

Please regard regulations issued by local professional associations.

Material Safety Data Sheet:

We provide the Material Safety Data Sheet on demand.

Packing units:

36 pcs/pallet 1" (25 mm) thickness

30 pcs/pallet 1 ³/₁₆" (30 mm) thickness

18 pcs/pallet 2" (50 mm) thickness

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