

Technical Data Sheet redstone MOMA™

Mineral fiber-reinforced calcium silicate insulation board

Area of application:

redstone MOMA™:

- adhered directly to masonry or brick walls
- regulates indoor humidity, prevents mold and prohibits the formation of condensate
- does not contain mineral fibers, no additives, no VOC, no formaldehyde

System components:

- redstone™ Special Adhesive S
- redstone™ Filler (for joints and all over the surface)
- redstone™ Primer (for priming the interior surface before finishing)

Properties:

redstone MOMA™

- made of fiber-reinforced calcium silicate
- pH value of 10.5 – mold proof as per ASTM 3273, ASTM G-21
- thermal resistance as per ASTM C-518, DIN 52612 (ISO 8301): R 2.33
- non combustible, A1

Technical data:

Material	Calcium silicate
Standard dimensions	4'-11 ⁷ / ₈ " x 3'-3 ³ / ₈ " (1520 x 1000 mm)
Thickness	1 inch (25 mm)
Fire rating	non-combustible, A1
Bulk density	516 lb/yd ³ (305 kg/m ³) ± 10 %
Compressive strength	1.6 N/mm ²

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.

Thermal conductivity	
- in accordance with current test report of MPA Bremen (DIN 52612)	0.0627 W/mK
- in accordance with national technical approval	0.0805 W/mK
Water vapor resistance	$\mu = 5$
Total porosity	84.2 Vol.-%
pH value	approx. 9 - 10
Swelling (increase of relative humidity from 50 % to 90 %)	+0.01 Vol.-%
Flexible strength (dry)	1.1 N/mm ²
Water absorption coefficient	77.5 kg/(m ² h ^{0,5})
Moisture saturation	830 kg/m ³
Humidity content	0.46 %

Directions for use:

It is recommended to perform a precise analysis of the damage before rebuilding (e. g. humidity analysis). Follow instructions of technical data 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.

Processing:

Cut MOMA™ board to the desired dimension. Trim room-side edges. Mix redstone™ Special Adhesive S in accordance to its technical data sheet and apply it to the board or wall, using a notched trowel or applying blobs in the center 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 redstone™ Special Adhesive S to the edges of the board before butting 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 redstone™ Special Adhesive S.

After the application of MOMA™ boards, the surface is treated with redstone™ Primer before finishing the surface.

Cleaning:

Clean tools with water immediately after use.

Content:

36 boards per pallet; board thickness = 1" (25 mm)

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Safety Advices:

Caution:

- May cause irritation to eyes and skin
- Dust may irritate the respiratory system
- Keep out of reach of children
- Avoid skin contact
- Avoid contact with eyes
- Avoid prolonged inhalation of fumes
- Do not ingest

First Aid:

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if symptoms occur
- In case of contact with skin, wash immediately with soap and water and seek medical advice if irritation develops
- If swallowed, contact physician immediately for assistance

Storage:

Store in a cool (frost-free), dry and well ventilated location.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.

Material Safety Data Sheet:

MSDS provided upon request.

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