

Acoustic Firestop Mortar

Fire Barrier F360 Class

Provides European standards
and F360 class fire resistance



Technical Data Sheet

THERMOLOCK
New Generation Construction Materials

Acoustic Firestop Mortar

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European standards
F360 class fire resistance



Fire resistance
≤ 360 minutes



Acoustic insulation
Rw 56 dB



Working life
≥ 50 years



Shelf life
12 months

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THERMOLOCK Acoustic Firestop Mortar is a new generation construction plaster designed for acoustic and fire insulation. It is classified as A1 non-combustible according to EN standards and provides F360 class fire resistance. F360 class defines the highest level of protection for fire-retardant insulation materials.

The product is specially formulated for interior and exterior applications requiring superior fire safety and acoustic insulation. It has a breathable structure due to the perlite and inorganic components it contains, while never allowing fire or smoke formation. It is also suitable for use on different surfaces.

Advantages

- Fire resistance ≤ 360 minutes
- CE-certified
- High acoustic insulation
- Easy to install
- Smooth finish
- Suitable for most surfaces

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Application

1. The substrate should be clean, free of dust, oil, and weak particles.
2. Mix 20 kg powder with approximately 15-16 liters of clean water using a low-speed mixer.
3. Apply manually with a trowel or by machine spraying.
4. For multilayer applications, allow the first layer to dry before applying the next.
5. Protect the surface from direct sun, wind, and frost during curing.

Areas of Application

- Wall and ceiling coverings
- Cable trays, ladders, cables and cable bundles
- Multilayer pipes with or without insulation
- Gas pipes, drinkpipes, meter box penetrations
- The outer surfaces of the arc furnaces
- Chimney linings of iron and steel factories

Applicable Surface Areas

- Concrete
- Wood
- Plastic
- Glass
- Metal
- Gypsum board

Primer Application

Primer use is required for surfaces other than concrete.

The product to be used as primer is Thermolock Adhesion Enhancing Transition Primer.

Please refer to the product's technical data sheet or product documentation for its use.

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Technical Specifications

Property	Value
Color	Grey
Binder	Special cementitious formulation
Density (Bulk)	450 ± 5% kg/m ³
Thermal Conductivity (λ)	0.060 W/m·K (±10%)
Fire Classification	A1 Non-Combustible (EN 13501-1)
Fire Resistance	F360 (360 minutes)
Sound Insulation	Up to 56 dB depending on system
Water Vapor Permeability	High (breathable)
Water Resistance	Hydrophobic additives (upon request)
Compressive Strength	CS III (≥ 3.5 N/mm ²)
Adhesion Strength	≥ 0.3 N/mm ²
Workability Time	120 minutes
Drying Time	24-48 hours depending on layer thickness
Mixing Water Requirement	15-16 L per 20 kg bag
Application Thickness	10-30 mm (per layer)
Consumption	4.5-5.0 kg/m ² for 10 mm layer
Shelf Life	12 months in dry conditions
Application Temperature Range	+5 C _o - + 35C _o
Application Type	Machine or Steel trower
Packaging Type	20 kg

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Storage

- Store in a dry, closed place on pallets.
- Do not stack more than 10 bags.
- When stored this way, it has a shelf life of 12 months.

Safety

Avoid contact with skin and eyes

Wear protective gloves and goggles during application.

Non-flammable and non-toxic. Classified as a non-hazardous cement-based material.

For detailed health information, please refer to the MSDS document.



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