

Insulated Exterior Facade Stucco Coating

Fire Barrier F360 Class

Provides European standards
and F360 class fire resistance



Technical Data Sheet

THERMOLOCK
New Generation Construction Materials

Insulated Exterior Facade Stucco Coating

Fire Barrier F360 Class

European standards
F360 class fire resistance



Fire resistance
≤ 360 minutes



Acoustic insulation
Rw 56 dB



Working life
≥ 50 years



Shelf life
16 months

Insulated Exterior Facade Stucco Coating

THERMOLOCK Insulated Exterior Facade Stucco Coating is a new generation construction plaster designed to combine thermal, acoustic, and water insulation in a single product.

It is classified as A1 fireproof according to EN standards and provides F360 class fire resistance.

The F360 class defines the highest level of protection for fire-retardant insulation materials.

The product is specially formulated for exterior applications requiring superior fire safety, thermal, acoustic, and water insulation. Due to its perlite and inorganic components, it has a breathable structure and never allows fire or smoke formation. It is also suitable for use on different surfaces.

Advantages

- Fire resistance ≤ 360 minutes
- CE-certified
- High thermal insulation
- High water insulation
- Easy to install
- Smooth finish
- High acoustic insulation
- 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. Mixing 6 minutes until a homogeneous mixture is obtained.
4. Allow the mixture to rest for 5-6 minutes for better water integration.
5. Apply manually with a trowel or by machine spraying.
6. For multilayer applications, allow the first layer to dry before applying the next.
7. Protect the surface from direct sun, wind, and frost during curing.

Areas of Application

- Wall and ceiling coverings
- Houses exposed to water and humidity
- Commercial buildings, schools and skyscrapers
- Glass surfaces where insulation is desired
- The outer surfaces of the tiny houses
- Any type of structure requiring insulation

Applicable Surface Areas

- Concrete
- Wood
- Brick
- 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	White
Binder	Special cementitious formulation
Density (Bulk)	334 ± 10% kg/m ³
Thermal Conductivity (λ)	0.047 W/m·K (±10%)
Fire Classification	A1 Non-Combustible (EN 13501-1)
Fire Resistance	F360 (360 minutes) (1000 oC)
Sound Insulation	Up to 56 dB depending on system
Water Vapor Permeability	High (breathable)
Water Resistance	0,312 (kg/m ² min 0,5) W1
Compressive Strength	CS II (≥ 1.6 N/mm ²)
Adhesion Strength	≥ 0.3 N/mm ²
Workability Time	120 minutes
Drying Time	24 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	16 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 16 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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