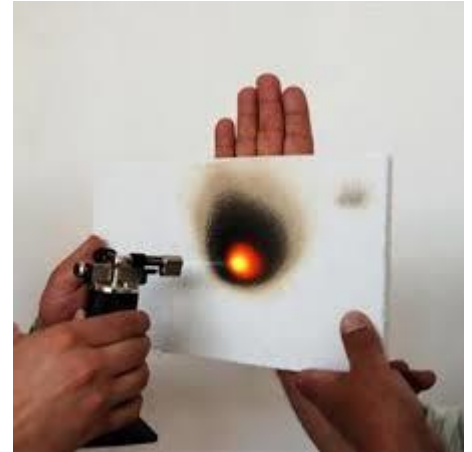


ThermoPlast 40M

Special cement based, highly effective inner and exterior facade insulation plaster

Product Description

ThermoPlast 40M is a single component, multi-purpose, highly effective inner and exterior facade insulation material in plaster form which consists of environmentally friendly additives and special modified aggregates with special granulometry that can be applied by hand or plastering machine. The open cell porous natural aggregate, in its mixture, provides HEAT, SOUND, FIRE insulation and has high diffusion ability. It also makes water insulation at the same time because of its positive direction water repellent structure.



Areas of Application

- It is used on the interior and exterior surfaces on walls or ceilings and on bricks, block, and gas concrete surfaces.
- Can be used on rough and finishing plaster.
- Concrete bridges, columns, and concrete walls.
- For exposed concrete.
- Repairing of corners and edges.



Advantages

- Shrinkage controlled polymer modified structural plaster.
- Single component, easy to apply.
- Provide heat, sound, water and fire insulation with only one product.
- Contributing to budget by saving in heating and cooling expenses.
- No formation of heat bridges due to its inarticulate structure.
- Extremely low permeability to water, providing excellent protection to steel reinforcements and host concrete.



Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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- Providing sound insulation inside the buildings and between the rooms in hotels, hospitals, schools, office places and all buildings.
- Thixotropic properties allowing extra high build for vertical and overhead applications.
- Suitable for internal and external applications.
- Cost effective, hand applied no formwork is required.
- No losses in strength of the building due to application without bloating.
- High fire resistance.
- Diffusion feature.
- Free from hazard shine materials and no carcinogens.
- Light, so not imposing extra load on the building.
- Increasing the value of the building.

Thicknesses and size limitations:

Thermo Plast 40M -R can be applied in single applications for sections up to 30 mm.

Thermo Plast 40M -F can be applied in single applications for sections up to 5.0 mm.

Method of use

Surface preparation

- All damaged and weak concrete should be cut back to reach sound concrete and / or to a minimum depth of at least 10mm.
- Corroded steel reinforcement should grit blasted to remove all rust traces.
- Remove all concrete from around exposed steel reinforcements by 10mm thickness.
- The prepared area should be cleaned thoroughly by brush and /or compressed air.

Curing

As Thermo Plast 40M is a cementitious based material, it should be cured in a similar method to concrete.

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Packing

ThermoPlast 40M is available in 16 Kg & 20 Kg bags.

Standards

It is complies with EN 998-1/ General Purpose Coarse and Fine Plaster- Class Gp.

Technical Data

Properties	
Appearance	White Granulated Powder
Application temperature	+5 to +40 °C
Thickness	Changes up to heating refion
Application duration	3.5 to 4 hours @ 25 °C
Application tools	Trowel, plaster pump or plaster machine
Drying period: (25 °C – 55% relative)	First layer : 24 hours Final layer : 48 hours Test layer : 28 days
Thermal conductivity (T1)	1 hour
Adhesion strength	6.5 Kg/cm ²
Compressive strength to	CSII (3.31 Mpa)
Vapor conductivity	3
Capillary Water Absorption (Class W1)	0.122 Kg/m ²
Consumption	Is variable depending on surface conditions;1 cm thickness of about 4.5-5.5kg /m ² /cm powder material used.
Sound insulation value	23 db (3cm/500hz)
Fire resistance	F90 (100 minutes) and according to thickness of the application it can rise to F120 or F180

Storage

ThermoPlast 40M has shelf life is approximately 24 months. Products should be stored in a cool and dry environment provided that maximum 6 bags will be put on top of each other.

Fire

ThermoPlast 40M is nonflammable (A1).

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