

D-THERM 551

Cement based, polymer reinforced, one component heat insulation, containing special chemical additives, board adhesive mortar.

DESCRIPTION:

Cement based, polymer reinforced, one component heat insulation, containing special chemical additives, board adhesive mortar.

ADVANTAGES:

Excellent adhesion to mineral surfaces.
Easy to apply.
Water vapor permeable.
Resistant to freeze - thaw cycle.
Easy to prepare.
Working time is long.

USAGE AREAS:

Indoor and outdoor areas.
As an adhesive in jacketing manufacturing.
It is used as surface repair mortar on all mineral surfaces.

TECHNICAL SPESIFICATION :

((23°C, %50 Relative Humidity)

Dry Bulk Density :1350 ± 200 kg/m³

Compressive Strength 28 days: ≥ 6,00
N/mm²

Bending Strength 28 days :≥ 2,00 N/mm²

Total Curing Time : 28 Days

Temperature Strength :-20 °C +80°C

Application Temperature :+5°C +30°C

Color : Grey

***These values were obtained as a result of laboratory tests, just contain finished applications according to drying time performance. Due to differences in temperature and humidity values in the construction site, the values may change.

APPLICATION METHOD:

Surface Preparation:

The surface; must be cured, dry and durable. Loose surface mortar and such as residues should be cleaned and reached durable surface.

In case of the necessity the surface should be cleaned mechanically

Oil, grease, dirt, paint, salt and vomiting that prevent adhesion should be removed.

The surface should be moist before the application.

Preparation Of The Mixture:

6, 5 liter water is poured into an empty and clean bucket, pour slowly D-THERM 551 into the water bucket and use 400 rpm mixer until eliminate chunks of the powders. Rest 5 minutes to have the mortar. Before starting the application mix 30 second again.



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Application:

The ready mixture is applied with a notched trowel to all of the heating insulation sheet.

It is applied as a strip to the edges of the sheet and as spots in the middle with mortar trowel.

The mortar should touch at least 40% of the boards.

During mortar application, the mortar on the board should not be allowed to dry and form a film layer. In such cases, the mortar should be removed from the surface and a new one applied.

The prepared mixture should be used within 1 hour.

ISSUES TO BE CONSIDERED:

Temperature should be between +5 °C and +35 °C during the application.

Do not apply on surfaces that are at risk of frost.

In addition, it should not be applied in extremely hot, rainy or windy weather.

Drilling should not be performed until the mortar is fully set. It should be known that vibration and movement is given a negative effect the integrity of the mortar.

The product should be protected from rain, water, frost and negative external factors until curing.

CLEANING OF INSTRUMENTS:

DAYMAN D-THERM 551 should be cleaned by water when it wet.

DAYMAN D-THERM 551 after become dry should be cleaned by the mechanical ways.

CONSUME:

Various 4, 00-6, 00 kg/m².

PACKING:

25, 00 in a craft bag (on the pallet 64).

COLOR:

Grey

SHELF LIFE:

1 year from the production date under proper storage conditions.

Close tight the opened bags.

LIMITATIONS OF LIABILITY:

The information in this technical data sheet is given according to technical information, experience and test result.



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As GENERALTÜRK A.Ş. cannot control the usage of the product that used under which kind of conditions, it does not accept any responsibility for the application result and does not guarantee it.

The product suitability for the product user should be tested and decided accordingly.

All products should be considered in the advice of those technical knowledge and equipment.

GENERAL TURK A.Ş can not accept any responsibility that occurs because of miss-use, it only responsible for the written suggestions that shows the products where and how use.

GENERALTÜRK A.Ş. It may change the properties of its products without announcement.

The technical data sheet is valid until the next time it is printed and all previous technical data sheets invalidate the description / January 2020