



THERMOSAN[®] - F

FLOAT FINISH TYPE MORTAR FOR THE PROTECTION AND DECORATIVE FINISH OF THERMOSAN RENDER

DESCRIPTION

Single component mortar composed of hydraulic binders for the decorative finish of the mortar coating against rising dampness THERMOSAN.

USES

- Protection against rain and mechanical aggressions for THERMOSAN.
- Combined with THERMOSAN, provides waterproof and decorative exterior finish for façades and walls suffering rising dampness.

ADVANTAGES

- Waterproof against rainwater but permeable to water vapour.
- Its white colour provides a decorative finish, avoiding the need to paint.

APPLICATION INSTRUCTIONS

Preparation of the surface. THERMOSAN – F has been designed to be applied as a finish for THERMOSAN mortar, which should be at least 7 days old, prior to applying THERMOSAN – F. The substrate must be firm, structurally sound, clean and free of grease, oils, fungus, dust, gypsum plasters and paints, and must be damp yet with no superficial water.

Prior to its application clean to ensure the elimination of any superficial dust or dirt which could be present. A good levelling of the surface is desirable, removing any excess and filling in voids.

When the surface is very smooth, it is advisable to provide it with a certain roughness by means of a chisel for improving the adhesion. Also a fine layer of THERMOSAN – F can be applied, pressing well into the substrate, or a slurry coat using a MAXBRUSH type brush, for ensuring the adhesion to the substrate.

In hot weather, or if the substrate is very absorbent, dampen previously without leaving excess water and wait until the water has been absorbed.

Mixing. It can be done mechanically with a slow mixer or stirrer, or it can be mixed manually. Each 25 kg. bag of THERMOSAN – F requires about 4 to 4.5 litres of clean water (16 to 18%) . Keep a constant proportion of water per bag. Ignoring this recommendation may cause differences in colour in the finished surface.

Add the powder to the water and mix for about 2 minutes until a homogenous mixture of thick consistency is obtained. Allow to rest for 5 minutes. Mix again until obtaining the consistency for its application, adding water if necessary upto the 4,5 litres per 25 kg. bag as previously indicated.

Application. THERMOSAN F is applied in 7 to 12 mm. thickness. For greater thickness apply first a levelling layer to prevent too much material being applied, which is not only anti-economic, but can cause cracking due to retraction, and changes in shade. Then spread with a trowel or spray with appropriate equipment. Once mixed, the open time for application and levelling is about one hour.

When the mortar has hardened slightly (after 1 to 3 hours, depending on the ambient conditions) it is finished with the float (plastic or wooden) or sponge, etc.

Application temperature. Do not apply at ambient temperatures below 5°C or above 30°C measured on the substrate.

During the 24 hours following the application these limits should not be surpassed.

Curing. Protect THERMOSAN – F from rain with plastics or tarpaulins and from excessive heat by a fine mist spray.

Do not apply when there is risk of rain or frost.

Cleaning. Clean tools with water before the product sets. Once it hardens, can only be removed mechanically.

CONSUMPTION

THERMOSAN-F is applied with thickness between 7 and 12 mm., with an estimative consumption of 1,8 to 2 kg/ m²/ mm thickness.

SAFETY AND HEALTH

THERMOSAN – F is not a toxic product in its composition, but as any other cementitious product, in its application the usual precautions with these type of products should be observed.

Avoid contact with eyes and skin by using gloves, safety goggles and mask. Contact with eyes and skin should be thoroughly rinsed with abundant clean water. If irritation persists, see a doctor.

It is available Safety Data Sheet of THERMOSAN-F by request.

PACKAGING

THERMOSAN – F is supplied in 25 kg. bags, available in white colour.

STORAGE

Twelve months in its original unopened container in a dry covered place, protected from frost, and temperatures above 5 °C.

TECHNICAL DATA

Mixing water (% weight /w. Prod.)	16 – 18
Density of the mix (kg / dm ³)	1.8
Open time (hours, 20 °C)	1
Initial setting time (hours, 20 °C)	6
Final setting time (hours, 20 °C)	8 - 24
Coverage (kg / m ² / mm thick.)	1.8 - 2
Capillary absorption (gr / dm ² min ¹ / ₂)	< 2
Compression strength at 28 days (MPa)	11.0
Flexural strength at 28 days (MPa)	4.5
Adhesion on concrete (MPa)	0.8
Adhesion on THERMOSAN (MPa)	0.5

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. DRIZORO reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product.



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