



THERMOSAN[®] **F**



FLOAT FINISH TYPE MORTAR FOR THE PROTECTION AND DECORATIVE FINISH OF **THERMOSAN[®]**

DESCRIPTION

THERMOSAN[®] - F is an one-component mortar composed of hydraulic binders for the decorative finish of the mortar coating against rising dampness **THERMOSAN[®]**.

APPLICATION FIELDS

- Protection against rain and mechanical damages for **THERMOSAN[®]**.
- Combined with **THERMOSAN[®]**, provides waterproof and decorative exterior finish for façades and walls suffering rising dampness.

ADVANTAGES

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

APPLICATION INSTRUCTIONS

Surface preparation

THERMOSAN[®] -F has been designed to be applied as a finish for **THERMOSAN[®]**, 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 but avoiding free standing water.

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 using a chisel for improving the adhesion.

Also a fine layer of **THERMOSAN[®] - F** can be applied, pressing well into the substrate, or applying 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 low 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.

Add the powder to the water and mix for about 2 minutes until a homogenous mortar of thick consistency is obtained. Allow it 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 avoiding to apply excess of material, which is not only anti-economic, but can increase the risk of cracking. 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 nor if this temperature is expected the

following 24 hours. Do not apply on frosted or frozen surfaces.

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 immediately after use. 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.

IMPORTANT INDICATIONS

For any application not specified in this technical bulletin or further information, consult our Technical Department.

PRESENTATION

THERMOSAN® -F is supplied in 25 kg bags and it is available in white colour.

STORAGE

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

SAFETY AND HEALTH

THERMOSAN® -F is not a toxic product but it is an abrasive compound in its composition.

Avoid contact with eyes and skin. Gloves and safety goggles must be used during the mixing and application. In case of eye contact, rinse thoroughly with clean water but do not rub. In case of skin contact, wash affected area with water and soap. If irritation persists, seek medical attention. It is available Safety Data Sheet of **THERMOSAN®** by request.

Disposal of the product and its empty packaging must be made by the final user and according to official regulations.

TECHNICAL DATA

Characteristics of the product	
Appearance and colour	White powder
Mixing water (% weight / w. prod.)	16 - 18
Open time at 20 °C (hours)	1
Initial/ final setting time at 20 °C (hours according to the thickness)	6 / 8 - 24
Characteristics of cured product	
THERMOSAN® –F meets specifications of CE mark for <i>Rendering and Plastering Mortars</i> according to EN – 998-1, classified as <i>Renovation Mortar (R)</i> to be used on moist walls containing water soluble salts.	
Density hardened mortar, EN 1015-10 (kg /l)	1,5 ± 1
Compression strength at 28 days, EN 1015-11 (MPa)	4 – 5 (Category CS II)
Flexural strength at 28 days, EN 1015-11 (MPa)	1,5
Adhesion on concrete, EN 1015-12 (MPa)	> 0,5
Adhesion on THERMOSAN® , EN 1015-12 (MPa)	> 0,5
Water absorption after 24 hours, EN 1015-18 (kg/ m ²)	< 0,3
Water penetration after water absorption test, EN 1015-18 (mm)	< 5
Coefficient of water vapour permeability, EN 1015-19 (μ)	< 15
Reaction to the fire	A1
Consumption / Thickness	
Consumption (kg/m ² · mm thick.)	1,8 – 2,0

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®, S.A.** 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. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



DRIZORO, S.A.

C/ Primavera 50-52 Parque Industrial Las Monjas
28850 TORREJON DE ARDOZ – MADRID (SPAIN)
Tel. 91 676 66 76 - 91 677 61 75 Fax. 91 675 78 13
e-mail: info@drizoro.com Web site: drizoro.com

ISO 9001
ISO 14001

BUREAU VERITAS
Certification

n° 6003176 / 6003176-MA

