

DSF 370

BRUSHABLE SEALING SLURRY

ACCORDING TO
EN 998-1

DESCRIPTION

Product DSF 370 is a single component waterproofing plaster based on cement that contains inert silica elements of increased silica content and selected granulometry. It consists of cement, quartz sand, pozzolanes and improvement additives.

It is applied wherever there is requirement for full waterproofing and it is adequate for applications located constantly under water such as pools, tanks, etc. It is produced and inspected as per the European standard EN 998-1

IMPLEMENTATION DOMAINS

Adequate for:

- thin layer plastering of interior or exterior surfaces of buildings, underground areas, ducts and water tanks.
- interior plastering of pools and tanks in replacement of tile layering

- bricks
- slush grout
- rock or other very hard surfaces

ADVANTAGES - FEATURES

- Perfect waterproofing of surfaces located under water.
- Produced with quartz sand
- Adequate for pools and tanks
- Resistance to humidity and steam
- Resistance to ageing
- Resistance to oils and solvents
- Non flammable

SUB-LAYER PREPARATION

Firstly ensure that the surfaces are clean and free from any brittle foreign bodies, salts, oils and other pollutants. In case of imperfections, holes, etc. repair them. Wet the surface with water till it is saturated and remove the excess water. For better waterproofing results, it is recommended, prior to applying plaster DSF 370 to apply DSF 360 as per its instructions

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The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and of the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version

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APPLICATION

In a clean container add 6-7 liters of fresh water and empty the sack content gradually mixing continuously in order to acquire a uniform slush mass. Let the mixture age for 5 min and mix again for a short period.

The plaster is applied on the wall using a large spatula and pressing the material in order to cover all gaps. When it thickens rub with a hard float in order to smoothen its surface.

The application thickness is, normally, 2 cm. Then, depending on the texture of the final surface and the plaster thickness, we can also apply a second hand as the final rubbed finishing. The rubbed layer is applied as soon as the first layer dries.

During the summer months and particularly for the surfaces under sun, the surfaces must be sprayed with water for two days following application and there must be prevention of fast drying of the surfaces in order to prevent cracking.

In case of usage of DSF 370 for interior plastering of pools and tanks (in replacement of tile layering) and following complete drying, there must be painting using paint of adequate type.

The material must be applied under environmental temperatures of +50C to +350C, and not under rain or in case of water leaks. When the temperature is high, tolerances develop faster while material workability is reduced. Under low temperatures, tolerances developed in delay.

MODIFICATION

If during mixture preparation, there is addition of 40-80Kg of GLX 296 per kilogram of the product and the necessary quantity of water, there is significant improvement of workability, while there is also enhancement of product features such as:

- tolerance
- shrinkage.

adhesion on various surfaces

- flexibility
- resistance to frost
- tightness
- resistance to friction
- resistance to acids

PACKAGING - STORAGE

The product is packed in valve-sacks of 40 Kg and is preserved stored on wooden pallets

in dry environment at temperatures greater than 0°C for 12 since its production date.

TOOLS

For the preparation of the material, it is recommended to use an electric mixer with adequate blades. Apply using a trowel or a spatula.

TOOLS AND MACHINES CLEANING

Rinse with water right after usage.

NOT RECOMMENDED

Under frost or heat-wave environmental conditions



DESCRIPTION

| TECHNICAL CHARACTERISTICS | UNITS | STANDARD | VALUE |
|-------------------------------------|---|------------|------------|
| Form | | | dry powder |
| Color | | | grey |
| Mixture PH | | | >10 |
| Application temperature | (⁰ C) | | +5 to +35 |
| Resistance temperature | (⁰ C) | | -30 to +90 |
| Maximum grain size | (mm) | | 0,5 |
| Working time | (h) | EN 1015-9 | 2 |
| Maturation time | (min) | | 5 |
| Setting time | (h) | EN 196-3 | 4,5-6,5 |
| Compressive strength | (N/mm ²) | EN 1015-11 | ≥18 |
| Flexural strength | (N/mm ²) | EN 1015-11 | ≥6 |
| Dry bulk density | (Kg/l) | | 1,30-1,40 |
| Bulk density of fresh mortar | (Kg/l) | | 1,65-1,75 |
| Dry bulk density of hardened mortar | (Kg/l) | EN 1015-10 | 1,40-1,50 |
| Strength development time | (days) | | 15 |
| Consumption per 3mm | (Kg/m ²) | | 6 |
| Sealing | Mixing water proportion (ml of water /100g dry slurry) | | excellent |
| Resistance to humidity and steam | | | excellent |
| Resistance to ageing | | | excellent |
| Resistance to oils and solvents | | | excellent |
| Flammability | | | No |

Note: The measurements were taken in laboratory environment under a temperature of +23⁰C, Relative humidity 50 % and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the sub-layer and of the tile

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