

DSF 360

BRUSHABLE SEALING SLURRY

DESCRIPTION

DSF 360 is a brushable sealing slurry, modified by cement-base polymer additives for applications under both positive and negative pressures. It consists of cement, quartz sand, pozolanes and improvement additives. DSF 360 is highly adhesive on all common

substrate and is resistant to frost and humidity. It is suitable for use, indoors and outdoors. After mixing with water the material turns to a smooth slurry that is easy to apply with a brush, thick brush or trowel

IMPLEMENTATION DOMAINS

It is adequate for sealing concrete surfaces such as: underground areas :

- water tanks
- tunnels
- foundations
- ducts
- elevator wells
- external chimney areas

- in old and new constructions
- It can also be applied on:
- bricks
- stone
- slush grout
- on plaster, under the condition

that plaster is firmly bonded with the substrate

ADVANTAGES - FEATURES

- Perfect sealing
- Produced with quartz sand
- Adequate for both negative and positive pressures
- 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. Remove any protrusions and chips, polyurethane or other soft material.

Cut the protruding irons at a depth of 1,5 - 2,0 cm. Tap all holes or cracks using quick-setting repair concrete THRAKON WRM 520 or

Make sure that during product application there is no water running on the sub-layer. Water leaks must be sealed using material THRAKON WRM 500.

Wet the surface with water till it is saturated and remove the excess water.

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APPLICATION

In a clean container add 6,5-7,25 liters of clean water and gradually empty the content of the sack while mixing continuously in order to create a uniform thick paste that can be spread without running.. Apply the first coating using the brush paying attention so that the product covers all gaps. When the first coating thickens and prior to its complete drying, apply the second coating cross-wise. If necessary, proceed to the prior wetting of the first coating. The second coating may also be applied using a spatula, as long as the surface allows it. In this case the paste must be a little thicker.

In case increased tolerance is required, it is recommended to apply a third coating. If the surface has many abnormalities and you wish to smoothen it out you can then plaster it using the waterproofing plaster DPM 350

In this case too you must apply the plaster while the surface of DSF 360 is still wet. The material must be applied when exterior temperature is between +50C και 350C. When the temperature is high, tolerances develop faster while material workability is reduced. Under low temperatures, tolerances developed in delay. It is recommended to maintain the surface wet and to prevent fast evaporation during the first days of application, particularly when the temperature is high or when application is performed under strong sunlight.

CONSUMPTION

It is adequate for both interior and exterior applications. Mixing with water produces a paste easily spread using a brush, thick paint brush or spatula.

Encumbrance	Minimum consumption	Minimum Layer's thickness
Humidity	2.0 kg/m ²	About 1.5mm
Water not under pressure	3.0 kg/m ²	About 2.0 mm
Water under pressure	3.5-4.0 kg/m ²	About 2.5 mm

PACKAGING - STORAGE

It is 2,5 - 4 kg/cm² for two layers and depends on the type of the surface. The product is packaged in plastic bags of 5Kg and it is stored on pallets in dry environment for a period of 6 months since production

TOOLS

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

TOOLS AND MACHINES CLEANING

Rinse with water right after usage

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

NOT RECOMMENDED

Applying this material is not recommended :

- In environmental conditions of frost or heat
- On surfaces subjected to heavy traffic and vibrations

- Under the presence of water

PRECAUTIONS

The product contains cement DSF 360 and reacts with water producing an alkaline solution. For this reason you should protect eyes and skin. In case of contact rinse thoroughly. In case of contact with eyes, seek immediate medical advice.

Read the information on the label and Technical Brochure product before use. Wear appropriate protective clothing and gloves. The Material Safety Data Sheet of the product is available upon request to professionals.

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 under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.

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ΤΕΧΝΙΚΑ ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ	ΜΟΝΑΔΕΣ	ΠΡΟΤΥΠΟ	ΤΙΜΗ
Form			dry powder
Color			Grey
Mixture PH			>10
Resistance temperature	(⁰ C)		-30 to +90
Maximum grain size	(mm)		0,5
Working time	(min)	EN 1015-9	30
Maturation time	(min)		5
Setting time	(h)	EN 196-3	6-11
Compressive strength	(N/mm ²)	EN 1015-11	>19
Flexural strength	(N/mm ²)	EN 1015-11	>6
Dry bulk density	(Kg/l)		1,15-1,25
Bulk density of fresh mortar	(Kg/l)		1,80-1,90
Dry bulk density of hardened mortar	(Kg/l)	EN 1015-10	1,50-1,60
Strength development time	(h)		4-5
Consumption	(Kg/m ²)		2-4
Water demand	(ml of water /100g dry concrete)		26-29
Sealing			Excellent
Adhesion to substrate			Excellent
Resistance to humidity and steam			Excellent
Resistance to ageing			Excellent
Resistance to oils and solvents			Excellent
Shrinkage			No
Elasticity			No
Flammability			No

Note: The measurements were taken in laboratory environment under a temperature of +23°C, 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 substrate.

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