

DSF 350 FLEX

**FLEXIBLE, 2-COMPONENT, CEMENT-BASED,
BRUSHABLE SEALING SLURRY**



DESCRIPTION

The product **DSF 350 FLEX** is a flexible, brushable waterproofing mortar suitable for sealing interior and exterior surfaces. It consists of 2 components, a dry powder (component A) and a liquid dispersion (component B). **DSF 350 FLEX** protects building constructions against ground

Moisture, surface or uprising moisture and water under pressure. It is resistant to frost; it has very good transpiration ability (vapour permeable) and does not corrode the steel reinforcement. It also has the ability to bridge cracks up to 0,2 mm and exhibits excellent adhesion to various substrates.

IMPLEMENTATION DOMAINS

DSF 350 FLEX is suitable for sealing:

- surfaces of concrete, brick, aerated concrete block, plaster, gypsumboard, mosaic, wood, metal etc.
- walls of over ground constructions,
- basement walls and foundations,
- balconies and terraces,
- inverted roofs,
- swimming pool and water reservoirs,
- floors,
- wells, tunnels etc.

ADVANTAGES - FEATURES

- Excellent sealing
- Produced with quartz sand
- Suitable for negative and positive pressures
- Resistance to moisture and vapor
- Resistance to ageing
- Resistance to oil and solvents
- Non – flammable

MIXING

DSF 350 FLEX should be used as a system which is prepared and stored in specific proportions. Pour slowly component A (dry mortar bag of 25 kg) in a bucket filled with the component B (liquid part 9,5Kg).

Use an electric stirrer and stir for about 3 minutes until a homogeneous mixture is achieved. The product can be used with in 45 minutes at +20⁰ C (the working time could change according depending on the climatic conditions).

SUBSTRATE PREPARATION

The substrate must be dry, stable, free of dust, dirt, oil, free from decayed material and loose particles. If there are any defects, hollows, etc. on the substrate to they must be repaired before applying the product with an

appropriate **THRAKON** repairing material. Coatings of paint must be removed. The substrate should be slightly wet to ensure good adhesion.

APPLICATION

The application should be made crosswise in two layers at least. Apply the second layer 6 hours after the application of the first layer (the application time depends on weather conditions - never leave more than 24 hours to pass between two layers). The fresh waterproofing layer must be protected from abrupt drying due to sun, wind and rain for three days. **DSF 350 FLEX** has high compressive strength and allows to be covered with protective layers such as concrete,

flooring, tiles or plaster after three days. To avoid the crack formation on the substrate the construction of expansion joints is recommended.

For sealing of joints appropriate elastic sealer is required. Do not apply **DSF 350 FLEX** on frozen substrates, frost or high temperatures (the temperature of the substrate over +25⁰ C).

WAYS OF USE

The content of component A (dry mortar bag of 25 kg) is added under stirring to the component B (liquid part 9,5), until a homogeneous mixture suitable for spreading is

achieved. Prior to application the substrate is wetted but without creating any water puddles.

CONSUMPTION

Requires two or more coats depending on the moisture load.

Charge	Minimum consumption	Minimum thickness
Moisture	2,0 kg/m ²	Approximately 1,5mm
Water without pressure	3,0 kg/m ²	Approximately 2,0mm
Water under pressure	3,5-4,0 kg/m ²	Approximately 2,5mm

PACKAGING

- A component – bag 25kg (dry)
- B component – plastic bucket 9,5Kg(liquid part)

STORAGE

The product is kept sealed for a year in dry storage areas.

TOOLS

For the preparation of the material the use of an electric stirrer with suitable vanes is recommended. Apply with a stiff brush or trowel.

CLEANING TOOLS & MACHINES

With plenty of water immediately after use.

NOT RECOMMENDED

Not recommended the application of the product:

- In environmental conditions of frost or heat.
- On surfaces subjected to movements and vibrations.
- During rain.
- When water leaks exist.

PRECAUTIONS

DSF 350 FLEX contains cement reacts with water, producing a alkaline solution. For this reason, protect your eyes and skin. In case of contact, wash with plenty of water. In case of contact with eyes, seek immediately medical advice.

Wear suitable protective clothing and gloves. Read the information on the label and in the technical brochure of the product before use. The MSDS of the product is available upon request to the professionals

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TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
COMPONENT A			
Form			Dry powder
color			Grey
Dry density	Kg/m ³	EN 1079-3	1020
Maximum grain size	(mm)		0,24
COMPONENT B			
Form			Liquid dispersion
Color			White
Destiny	Kg/m ³	EN 2811-1	1040
Non-volatile content	(%)	EN 3251	26,69
Flow time using 4mm diameter containers	(sec)	EN 2431	11
pH		EN 787-9	5,8
MIX OF READY-TO-USE PRODUCT A+B			
Ratio of ingredients - dry mix : water	(parts w/w)		100:38
Expansion	(mm)	EN 1015-4	39
Destiny of fresh mixture	(Kg/m ³)	EN 1015-6	1610
Destiny of harden product	(Kg/m ³)	EN 1015-4	1540
Compressive strength	(N/mm ²)	EN 1015-11	>12
Flexural strength	(N/mm ²)	EN 1015-11	>4,5
Watertightness(10 and 60kPa) at 24h		EN 1928	No water leak
Watertightness		EN 14981/ EN 206	No water leak
Adhesive strength at normal conditions	(N/mm ²)	EN 14981	1.9
Adhesive strength after immersion in water	(N/mm ²)	EN 14981	1.7
Adhesive strength after heat ageing	(N/mm ²)	EN 14981	1.8
Tensile adhesion after freeze-thaw cycles	(N/mm ²)	EN 14981	1.0

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.

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 vers