

FUGOFIL

Cement based waterproof sealant for tile joints
Compliant to class CG2WA according to MKS EN 13888

FILED OF APLICATION

It is used for joints with thickness up to 8mm on horizontal and vertical surfaces with ceramic, glass, marble, stone or concrete tiles. It is suitable for indoor and outside application in toilettes, baths, kitchens, balconies, pools, warehouses, facade surfaces, rooms with floor and wall heating, in residential, business and industrial buildings.

PROPERTIES

- powdery material, simple to prepare and apply;
- first obstacle to prevent water entrance into the construction;
- resistance to cracking and scratching;
- waterproof (hydrophobic);
- resistant to mold and fungi;
- good adhesion to the substrate;
- resistant to bacteria;
- UV stabile;
- resistant to frost;
- simple to maintenance.

TECHNICAL FEATURES

| PROPERTY | METHOD | DECLARED VALUE |
|--|----------------|----------------------|
| Appearance | - | colored powder |
| W/M | - | 0,30-0,35 |
| Resistance to abrasion | MKS EN 12808-2 | ≤1000mm ³ |
| Tensile strength in bending | MKS EN 12808-3 | ≥ 2,5MPa |
| Tensile strength in bending after freezing- thawing cycles | MKS EN 12808-3 | ≥ 2,5MPa |
| Compressive strength | MKS EN 12808-3 | ≥ 15MPa |
| Compressive strength after freezing- thawing cycles | MKS EN 12808-3 | ≥ 15MPa |
| Shrinkage | MKS EN 12808-4 | ≤3mm/m |
| Water absorption after 30min | MKS EN 12808-5 | ≤2g |
| Water absorption after 240min | MKS EN 12808-5 | ≤5g |
| Workability time | - | 60min |
| Initial setting time | EN 196-3 | 3-5h |
| Final setting time | EN 196-3 | 4-6h |
| Pot life | - | 60min |
| Use for lightweight transport (walking) | - | after 24h |

METHOD STATEMENT

SUBSTRATE PREPARATION

The substrate should be sound, clean of grease and dust. The tiling should be adhered with adhesive applied with serrated trowel all over the tiling surface. The joints should be at least 3mm deep, clean and without dust. Before application, the substrate should be moistened with water.

APPLICATION

Apply Fugofil 24-48h after the adhering of the tiling. Prepare the product with 300-350ml water for 1kg Fugofil and mix it using slow electrical mixer until it homogenizes. Leave the prepared product still at least 10min and mix again right before the application. Apply Fugofil using rubber trowel over the surface to fill the joints. When the applied material would start setting, level the joint filling with the tiled surface and remove the extra material using cloth or sponge. After the application of the sealant, the surface should not be exposed to water, snow, frost and sun for 12h. The substrate and air temperature should be between 5-35°C.

CONSUMPTION

The consumption depends of tile dimensions and dimensions of the joints.

Bulk density: 1.7g/cm³.

| tile dimension (cm) | joint width (mm) | | | |
|---------------------|------------------|------|------|------|
| | 2mm | 3mm | 5mm | 8mm |
| 2x2x0,3 | 0,70 | 0,80 | - | - |
| 10x10x0,6 | 0,42 | 0,65 | 1,00 | 1,65 |
| 15x15x0,7 | 0,30 | 0,50 | 0,85 | 1,40 |
| 20x20x0,7 | 0,27 | 0,40 | 0,65 | 1,05 |
| 30x30x0,8 | 0,20 | 0,25 | 0,45 | 0,70 |

Consumption measure is kg/m².

MAINTENANCE

Use water and mild detergent to maintenance the surface with sealed joints. It is not recommended to clean the surface using water under pressure.

CLEANING

Clean tools and equipment right after use using clean water.

PACKING

Bags 2kg and 20kg

STORAGE

In original, closed packing, in dry rooms, protected of sun and weather exposure.

Shelf life: 12 months

STANDARD COLORS

pink, creme, beige, sand, chocolate brown, cocoa, pastel green, grass green, dark green, light grey, Manhattan grey, dark grey, graphite, baby blue, pigeon blue, white, ivory, red, yellow, ochre.

| ADING Тон карта, Фугофил | | | | |
|---------------------------------------|---------------------------------------|------------------------------------|----------------------------------|---|
| ADING Colour card, Fugofil | | | | |
| 1 | 2 | 3 | 4 | 5 |
| Розе Pink | Крем Creme | Драп Beige | Песок Sand | Чоколадно кафена Chocolate brown |
| 6 | 7 | 8 | 9 | 10 |
| Какао Cocoa | Пастелно зелена Pastel green | Тревно зелена Grass green | Темно зелена Dark green | Светло сива Light gray |
| 11 | 12 | 13 | 14 | 15 |
| Манхетен сива Manhattan gray | Темно сива Dark gray | Графит Graphite | Бебешко сива Baby blue | Гулаб сива Pigeon blue |
| 16 | 17 | 18 | 19 | 20 |
| Бела White | Слонова коска Ivory | Црвена Red | Жолта Yellow | Окер Ochre |

*Можни се мали отстапувања како последица од печатарски причини
*Possible deviations in colour may arise for printing reasons

Health hazards: Avoid contact of the product with skin and eyes, such as direct inhalation. In case of accidental contact of the product with skin, immediately remove it using soap and water. In case it splashes into eyes, immediately rinse them using plenty of water and seek for medical help. In case the product is swallowed or inhaled seek for medical help.

Fire: Fugofil is not flammable.

Cleaning and storage: Clean loose residues of Fugofil with water. Old and used packaging should be disposed in accordance with the local rules and regulations for that type of waste.

It is recommended to adjust the method of application and necessary quantities according to the potential of the building, as well as mandatory use of appropriate equipment.