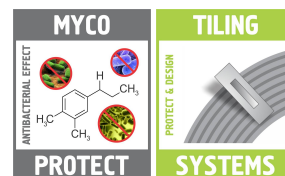


TERAFLEX® SILVER SELECTION HIGHLY ELASTIC WATER REPELLING GROUT

highly elastic and water repelling grout, highly resistant to wear, mould and mildew, for joints from 1 to 6 mm



Product description

TERAFLEX® SILVER SELECTION is designed for color filling of joints with width of 1 to 6 mm. It has high mechanical resistance against cracking, scratching, abrasion and wearing off. The composition of fine components in the grout allows the construction of very smooth surfaces and non-organic pigments and coloring agents guarantee the long durability of all colors.

It has very high elasticity of the product makes it extremely suitable for grouting of linings laid over bases that are subject to great deformations - floor and wall heating systems, gypsum cardboards, wood boards and others. The new improved formula increases the adhesion of the grout to the edges of the tiles and guarantees thorough adhesion to the tiles even if they are highly deformed.

TERAFLEX® SILVER SELECTION has very good water repellent properties, thanks to which water drops remain on the surface and do not penetrate the joint's structure. In this way it stays strong and resistant to discoloration and dirt. The MYCO PROTECT system protects the joint from mould, mildew and fungi, as it facilitates the preservation of the esthetic looks of the surface and the healthy atmosphere in the premises.

It is designed for both indoors and outdoors use and it can be applied in highly loaded public and commercial premises, halls, offices, restaurants, terraces, balconies, flat roofs, etc. Suitable for application in wet premises such as bathrooms, shower cabins, kitchens, etc.

It is suitable for application on floor and wall ceramic, glass and stone tiles, terracotta, fine stoneware tiles, clinker tiles, concrete blocks and others (including natural stone and marble after testing for color changes).



Properties and scope of use

Properties:

- high elasticity and deformation resistance
- good water repellent qualities
- resistant to scratches, cracks, abrasion
- high adhesion to the edges of the tiles

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For grouting of:

faience, terracotta, granite tile floors, glass ceramics
mosaics, natural stone, marble, limestone
clinker, concrete blocks, glass tiles and etc.

For application when:

terraces, balconies, flat roofs, facades
linings, subject to extreme load and deformations
permanently wet premises
indoor and outdoor application

Packaging and indicative consumption

Packaging:

	<i>capacity</i>	<i>pallet</i>
polyethylene bucket	2 kg	150 pcs (300 kg)
polyethylene bucket	1 kg	300 psc (300 kg)

Indicative consumption:

<i>tiles</i>	<i>2 mm joint</i>	<i>3 mm joint</i>	<i>4 mm joint</i>	<i>5 mm joint</i>	<i>6 mm joint</i>
10x20 cm (8 mm)	0,40 kg/m ²	0,59 kg/m ²	0,78 kg/m ²	0,97 kg/m ²	1,15 kg/m ²
20x20 cm (8 mm)	0,27 kg/m ²	0,40 kg/m ²	0,53 kg/m ²	0,66 kg/m ²	0,78 kg/m ²
20x30 cm (8 mm)	0,22 kg/m ²	0,33 kg/m ²	0,44 kg/m ²	0,55 kg/m ²	0,65 kg/m ²
33x33 cm (8 mm)	0,16 kg/m ²	0,24 kg/m ²	0,32 kg/m ²	0,40 kg/m ²	0,48 kg/m ²
40x40 cm (8 mm)	0,13 kg/m ²	0,20 kg/m ²	0,27 kg/m ²	0,33 kg/m ²	0,40 kg/m ²
50x50 cm (8 mm)	0,11 kg/m ²	0,16 kg/m ²	0,21 kg/m ²	0,27 kg/m ²	0,32 kg/m ²

The costs listed in the table are exemplary and cover the gaps and tiles dimensions described therein.

The flow of the jointing compound depends both on the width and depth of the joint, as well as on the dimensions of the used tiles. It can be calculated by the formula specified at the end of the document.

Composition

TERAFLEX® SILVER SELECTION is a dry cement-based construction mixture with natural mineral fillers and polymer additives, coloring and hydrophobic agents.

Expiration date and storage

Store and transport in tightly sealed original packaging in dry environment (best on pallets). Keep away from moisture!

The product is good for use 24 months after production date of an unopened original packaging.

Instructions for use

- for joints with a width: 1- 6mm
- color: *by catalogue*
- mixing with water: 0.30 – 0.33 l (for 1 kg)

Base preparation

Grouting may begin after adhesive solution used for tile bonding hardens, but not earlier than 24 hours. The joints must be thoroughly cleaned from dust and all other kinds of dirt, and the tiles should be cleaned with a wet sponge. Right before grouting all joints should be dampened (especially when the adhesive solution is completely dried and when renovating old joints).

Tiles that absorb too much moisture (natural stone, marble and others) may become stained. For that reason it is recommended before actual grouting to test a small area with the grouting mixture.

Joints should be equally deep and because of that during lining application the adhesive between the tiles should be removed.

Mixture preparation

TERAFLX® SILVER SELECTION is poured into a plastic water container (0,30-0,33 l per 1 kg of dry mixture) and should be stirred until reaching homogenous lump free mass and color. The mixture should be left to mature for about 5 min and then stirred again. The solution should be used up within 30-40 min. Once you have stirred the mortar, do not add more water.

It is not allowed for cement, sand and other materials to be added to the mixture for it causes extreme deterioration of its qualities.

Application

The solution should be applied deep and tight into the joints with a rubber float and then flattened. The rubber float should be moved slantwise (around 45°) of the tile edge. The recently grouted tiles should be wiped and cleaned with a wet sponge (in approximately 30 min when the surface pales out). After cleaning, the joints should be additionally wet and let dry.

After complete drying, the joints should be additionally wiped with dry microfiber towel. In order to guarantee optimal solution hardening conditions, during the first few days joints should be kept damp by spraying lightly with water or dampening with a wet towel. An actual color is reached after complete drying – within 2-3 days. To avoid differences in color shade, on one and the same places should be applied solution from one and the same grout packaging or production date.

Attention!

Grouting should be performed in dry weather at temperature of the base and environment from +5°C

to +25°C and air humidity under 80%.

The joint should be protected from too intensive drying, freezing or rain at least 3 days.

Differences in water absorption of the joint (at various tile edges), change of water/dry mixture ratio and water specifics might cause grout discoloration.

For joints that are located in particular places on the cladding (external and internal edges, expansion, construction and others joints in the building structure) must be used the corresponding deformation profiles or be sealed with permanently elastic materials eg. silicone.

The grouted surface can be stepped on after 9 hours. The complete hydrophobic effect is obtained 5 days after application. Cleaning tiles with detergents may be performed not earlier than 5 days after grouting.

Hazards description

The product contains cement and may cause allergic reactions. When using it, the hygiene requirements must be observed.

Work in well-ventilated rooms or outdoors. Avoid contact with eyes and skin. Keep out of reach of children!

For more information, see the Product safety data sheet.

Classification

Complies with the requirements of European and Bulgarian standards and measures up to:

European standard	Grade	Testing protocol
EN 13 888	CG2WA	№ 877/11.11.2010 r.

Technical data

Testing protocols are issued by a notified body (NB 1950) for evaluation of compliance with Science and Research Construction Materials Institute – NIISM Ltd.

Density of solution in dry condition	ca. 1,15 kg/ dm ³
Minimum / maximum joint width	1 mm/ 6 mm
Mixing proportions	0,30-0,33 l / 1 kg 0,60-0,66 l / 2 kg
Hardening	5 minutes
Usability of treated solution	2 hours
Initial cleaning	after 30 minutes
Final cleaning	after 2 hours
Floor access	after 24 hour

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Parameter	Measure	Testing method	Requirement according
High abrasion resistance	mm ³	EN 12808-2	< 1000
Flexural strength in standard condition	N/mm ²	EN 12808-3	≥ 2,5
Flexural strength after 25 freeze/thaw cycles	N/mm ²	EN 12808-3	≥ 2,5
Compressive strength in standard condition	N/mm ²	EN 12808-3	≥ 15
Compressive strength after 25 freeze/thaw cycles	N/mm ²	EN 12808-3	≥ 15
Water absorption after 30 min	g	EN 12808-5	≤ 2
Water absorption after 240 min	g	EN 12808-5	≤ 5
Shrinkage	mm/m	EN 12808-4	≤ 3

The information contained in the current document is based on our knowledge and recent technical achievements and experience that we have at the time of the last version. The technical recommendations concerning application that we offer in order to facilitate buyers and those working with our products are non-binding and are neither grounds for legal contract relations, nor for additional obligations resulting from the purchase contract. They do not dispense buyers from the necessity to verify products' application according to the instructions for every specific use. We as manufacturers guarantee the quality of the product, but cannot influence the circumstances and methods of its use. Application of the product should be performed by qualified personnel.