

HIDROKOL SP

*Cement based, waterproof flexible tile adhesive
In compliance with EN 12004-1, class C2TES1*

FIELD OF APPLICATION

Adhesive for fixing ceramic tiles by application "tile on tile", for floor and wall tiles made of stone, marble, glass-ceramic tiles for pools, exposed to outdoor impacts, as well as fixing tiles on substrates exposed to water and moisture at toilettes, baths, pools, balconies, fountains and similar. Hidrokol SP is suitable for fixing tiles in rooms with floor heating.

PROPERTIES

- Good bonding properties;
- Excellent adhesion;
- Waterproof;
- Elastic;
- Simple to prepare;
- Simple application;
- Extended open time for application;
- Worth for money

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	grey powder
Class	EN 12004-1	C2TES1
W/M ratio (water/ material)	-	0,22-0,26
Open time for fixing at 20°C	EN 1346	30min
Workability period at 20°C	-	3h
Adhesion to the substrate	EN 1348	>1MPa
Adhesion to the substrate after exposure to water	EN 1348	>1MPa
Adhesion to the substrate after exposure to freezing and melting cycles	EN 1348	>1MPa
Transversal deformation	-	≥ 2,5mm and <5,0mm
Initial setting time	-	3-6h
Final setting time	-	12h

METHOD STATEMENT

SUBSTRATE PREPARATION

Substrate for application of Hidrokol SP is concrete, cement or cement-lime mortar. The substrate should be sound, clean, free of grease and dust and well soaked with water.

APPLICATION

Prepare Hidrokol SP with water and mix until it homogenize. Leave the mixture calm for 10 min and then mix it again right before the application. Apply the material using notched trowel or scraper tool in 4-10mm thick layer over the entire substrate for fixing tiles, according to the open and workability time of the product. Before the tiles are placed on the substrate, they should be submerged in water and then placed on the applied

adhesive. To reach uniform application of the adhesive to the entire substrate, it is recommended to apply thin layer using flat trowel and right after to apply the adhesive using notched trowel.

Open time for application of the mixed material is 30 min at 20°C. During the application, in case the final surface of applied material starts to dry it is necessary to retreat the surface using notched trowel to get back the bonding characteristics of the adhesive. When the mixed adhesive turns hard it is not recommended to put additional water to prevent reducing the bonding of the product. The temperature of the substrate during the application should be between 5-35°C. The joints between the tiles are intended to be filled with Fugofil, not earlier than 24h after the application of the tiles.

CONSUMPTION

for layer, 1mm thick: ~1.1kg/m²
depending of the substrate ~3.3-6.6kg/m²

CLEANING

Clean tools and equipment with water, right after the application.

PACKAGING

Paper bag 25kg

STORAGE

In the original, closed packaging, placed in dry rooms at temperature between 5°C and 30°C. Shelf life: 12 months.

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: Hidrokol SPI is not flammable.

Cleaning and storage: Clean loose residues of Hidrokol SP 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.