

# HIDROKOL SP FLEX

*Cement-polymer based, waterproof flexible tile adhesive with fibers,  
In compliance with EN12004-1, class C2TES2*

## FIELD OF APPLICATION

Adhesive for adhering large floor and wall ceramic tiles, exposed to outdoor influences, as well as for applying tiles exposed to water and moisture in toilettes, baths, balconies, etc. Hidrokol SP Flex is suitable for adhering tiles in rooms with floor heating and for "tile on tile" application.

## PROPERTIES

- one component, cement-polymer based product with fibers
- excellent adhesion
- high flexibility
- high adhesion to the substrate
- reduced sliding
- high strength
- waterproof
- elastic
- bridges microcracks
- simple preparation with water
- simple application
- extended open time for application

## TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	gray powder
Class	EN 12004-1	C2TES2
W/M ratio (water/material)	-	0,23-0,26
Open time for application at 20°C	EN 1346	30 min
Workability period at 20°C	-	3h
Adhesion to the substrate in normal conditions	EN 1348	> 1MPa
Adhesion after aging at elevated temperature	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
Transfersal deformation	-	≥5,0mm
Initial setting time	-	3-6h
Final setting time	-	12h

## METHOD STATEMENT

### SUBSTRATE PREPARATION

Apply Hidrokol SP Flex on a sound substrate made of concrete, cement or cement-lime mortar. The substrate should be sound, clean, free of grease and dust and well soaked with water.

### APPLICATION

Hidrokol SP Flex is prepared with 4.6-5.2l clean water per a 20kg bag, constantly mixing it until it homogenizes. Afterwards, leave the mixture to settle for no more than 10 min, then mix it again before applying.

Apply the material using notched trowel or scraper tool in 4-10mm thick layer over the entire substrate where the tiles are installed. Prior to placing the tiles 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 over the entire surface, 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, when the surface of the applied material starts to dry, it is necessary to process the surface using notched trowel, in order to reactivate its adhesive properties. 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 to be filled with Fugofil joint sealant, not earlier than 24h after the application.

## CONSUMPTION

for 1mm thick layer ~ 1,1 kg/m<sup>2</sup>  
depending of the substrate ~ 3,3-6,6 kg/m<sup>2</sup>

## CLEANING

Clean tools and equipment with water, right after application.

## PACKAGING

Paper bag of 20 kg.

## STORAGE

In the original, closed packaging, placed in dry rooms at temperature between 5°C and 35°C. Shelf life: 12 months.

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

Fire: The product is not flammable.

Cleaning and storage: Clean 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 characteristics of the building, as well as to mandatorily use appropriate equipment.