

HIDROKOL SP

One-component, cement-based polymer-modified, waterproof tile adhesive
Compliant to: EN 12004, C2ES1 class

Field of application:

It is used for fixing ceramic tiles by applying the "tile-on-tile" application principle on floor and wall surfaces (stone tiles, granite, marble, pool glass-ceramic tiles) exposed to external impacts, as well as areas exposed to moisture and water, in sanitary blocks, bathrooms, swimming pools, terraces, fountains, etc. In case of uneven surfaces, they can be levelled by fixing the tiles with Hidrokol SP in layers of up to 1cm.

Properties:

- Good bonding properties
- Excellent adhesion
- Waterproof
- Elastic
- Easy to prepare
- Extended open time
- Easy to apply
- Extended open time
- Economical

Technical features:

Property	Method	Declared value
Appearance	-	grey powder
Class	EN 12004	C2ES1
W/M ratio (water-to-material ratio)	-	0,2-0,28
Open time at temperature of 20°C	EN 1346	30 minutes
Workability period at temperature of 20°C	-	3 hours
Adhesion to substrate under normal conditions	EN 1348	>1,0MPa
Adhesion to substrate after water immersion	EN 1348	>1,0MPa
Adhesion to substrate after freezing-thawing cycles	EN 1348	>1,0MPa
Transverse strain	-	≥2,5mm и <5.0mm
Initial setting time	-	3 – 6 hours
Final setting time	-	10 – 12 hours

Method of Application:

Substrate Preparation:

Hidrokol SP should be applied on a sound substrate made of concrete, cement or compo mortar. The substrate should be clean, grease-free, dust-free and well wetted by water.

Application:

Hidrokol SP should be prepared by adding water and mixing them together until a completely uniform mixture is obtained. After mixing the compound, it should be allowed to stay still for up to 10-15 minutes and then it should be stirred again and applied.

Application should be carried out by using a notched trowel or a scraper in a layer measuring 4-10mm in thickness over the entire tiling surface. Prior to the application, the tiles should be immersed in water and fixed on the adhesive by embedding them. The open time for application of the mixture is 30 minutes at temperature of 20°C. The temperature of the substrate during application should be between 5°C and 35°C. The joints between the tiles should be treated with Fugofil grouting compound, not earlier than 24 hours following the application.

Consumption:

For 1mm thick layer ~ 1.1 kg/m²
Depending on the substrate ~ 3.3-6.6 kg/m²

Cleaning:

The tools and equipment should be cleaned with water immediately after use.

Packaging:

Valve bags 25 kg

Storage:

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

Health hazards: Avoid contact of the product with the skin and eyes, and avoid direct inhalation of the powder. In case of skin contact, remove it immediately with water and soap. In case of eye contact, rinse immediately with plenty of water and seek medical assistance. If swallowed, seek medical advice.

Fire: The product is non-flammable.

Cleaning and disposal: Clean with water. The old and used packaging should be disposed of in accordance with the local rules and regulations for that type of waste.

We recommend that the method of application and the necessary quantities should be adjusted to the conditions of the building, as well as mandatory use of appropriate equipment.