

Tile and Ceramic Adhesives / Cement Based Adhesives**HIGHFLEX® PRO**

Granite Ceramic Adhesive Mortar

Description

Cement based, single component, polymer added, **S2 class, very flexible** high grade powder adhesive mortar with extended open time and reduced slip. Has high performance and high stability.

Application Areas

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramics, granite, granite ceramic, marble, clinker and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic, such as work places, shopping malls, schools and hospitals
- Places exposed to temperature changes, such as cold storage depots, flash freezing facilities and floor heating systems
- Places exposed to water and outdoor weather conditions, such as pools, water tanks, terraces and balconies
- Bonding ceramics on old granite and marble surfaces.

Advantages

- Very flexible and provides strong bonding
- Has transverse deformation property
- Resistant to water and frost, and to the tensions on the surface that are caused by sudden temperature changes
- Provides long workability, saves time and labor
- Allows sufficient time to adjust applied plates
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption4 - 6 kg/m²**Packaging**

25 kg kraft bags

Technical Properties

Appearance	Grey colored fine powder
Powder Density	~ 1.50 kg/L
Water Mixing Rate	4 - 4.5 L water / 25 kg powder
Resting Period	5 - 10 minutes
Pot Life	2.5 - 3 hours
Extended Open Time Tensile Adhesion Strength	After min. 30 minutes $\geq 0.5 \text{ N/mm}^2$ (EN 1346)
Application Temperature	Between +5°C and +35°C
Tensile Adhesion Strength	$\geq 1 \text{ N/mm}^2$ 28 days (EN 1348)
Slip	$\leq 0.5 \text{ mm}$ (EN 1308)
Transverse Deformation	$\geq 5 \text{ mm}$ (EN 12002)
Walk-on Time	24 hours
Service Temperature	-30°C / +80°C



Technical Data Sheet (TDS)

Form No: 5.01 TDS Highflex Pro Gran. Cer. Adh Mortar
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Date
20 March 2019

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* Application instructions and technical data provided for the products are obtained in line with our experience and the tests are implemented according to international standards, under ambient temperatures of $23\pm 2^{\circ}\text{C}$ and ambient relative humidity conditions of $50\%\pm 5$. Higher temperatures decrease while lower temperatures increase these durations.