

Polymer modified improved tile adhesive

PRODUCT

webercol K is a ready mix improved cement-based tile adhesive modified with redispersable polymer for external use.

webercol K has a strong bonding effect and is water resistant. Can be used in damp environment and it is non-sagging complying EN 12004 slip resistance test. **webercol K** can be used for fixing stones (marble, sandstone...) in internal and external areas.

SCOPE OF USE

webercol K is used for fixing a wide range of tiles and stones on the following substrates:

- Concrete
- Lightweight blocks (primer is required)
- Stone walls (cleaned and prepared)
- Cementitious plasters and renders

Substrate made of Gypsum plaster is not advisable.

webercol K can be used for tiling in:

- Bathrooms
- Private swimming pools
- External walls and floors
- Rooms
- Kitchen

CHARACTERISTICS

Appearance	Powder
Composition	Cement, siliceous sand and additives
Color	Grey or White
Powder density	1.27 ± 0.05
Paste density	1.55 ± 0.05
Open Time	20 min. at standard condition
Pot Life	2 hrs standard condition
Slip resistance	Comply
Mixing Ratio	4 to 5 lit. / 20 kg
Coverage	3 to 7 kg/m ²
VOC and formaldehyde content ISO/FDIS 11890-2/GC-MS	None (<10µg/l)

TEST RESULTS

Test for EN 12004:2007

Open Time by Tensile Adhesion acc. EN 1346:2007 (N/mm ²)	5 minutes	1
	20 minutes	0.56
Tensile Adhesion Strength acc. EN 1348:2007 (N/mm ²)	Con A	1
	Con B	>0.5
	Con C	>0.5
	Con D	>0.5



*Con A - 28 days standards conditions

*Con B - 7 days standard condition + 21 days water immersion

*Con C - 14 days standard condition + 14 days at 70°C

*Con D - 7 days standard condition, 21 days water immersion, 25 freeze/Thaw cycles

*Standard Condition - (50 ± 5)% Relative Humidity & 23 (± 2)°C

All values given are subject to 5 to 10 % tolerance.

Test for ANSI A118.4: 2012

Shear strength (N/mm ²) F-5.3.2 & F-5.3.3	7 days standard conditions	>1.2
	28 days standard conditions	>1.4

All values given are subject to 5 to 10 % tolerance.

APPLICABLE STANDARDS

ISO 13007

BS EN 12004:2007

ANSI 118.4

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Substrate must be clean and free from greasy matters or dust. It should have been sufficiently cured in a way that any

shrinkage has already occurred.

Moisten slightly the substrate if it is dry at the time of application, never moisten the tiles.

PRODUCT PREPARATION

Mix 20 kg of **webercol K** with 4 TO 4.8 liters of clean cool water. An electric mixer with low rotation speed (< 300 rpm) can be used.

Mix until a uniform lump free paste is obtained. Let the paste rest for a few minutes before starting the application.

PRODUCT APPLICATION

Apply **webercol K** evenly on the substrate. Use a notched trowel to have a uniform thickness of 2 to 3 mm minimum.

Apply the tiles on the substrate and press them firmly, while making sure that the paste does not slip from the tile sides.

webercol K can also be applied on the back of tiles to ensure full adhesion on the entire surface. Clean the tools with water after use.

Cured materials can only be removed mechanically. In case exceptional performance is required, each bag of 20 kg **webercol K** should be mixed with 1 liter Admix 225 MB (styrene butadiene latex bonding agent) + 3.6 liters of clean water.

STORAGE

webercol K can be stored for 12 months in dry conditions, away from extreme temperatures and protected against wind.

SAFETY PRECAUTIONS

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention. The product is non-flammable.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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