

High performance cementitious tile adhesive (Latex modified)

PRODUCT

webercol plus is a ready mix cement-based high performance polymer "latex" modified tile adhesive for internal and external use. **webercol plus** has a strong bonding effect, used for adhering large tiles, or in cases of permanent exposure to high degrees of humidity. It can be used in a damp environment, and is water resistant. **webercol plus** is non-sagging and classified "T" (slip resistant) according to EN 12004 for tile adhesives. The addition of the new Low Dust feature allows a dust reduction by 90% during pouring and mixing of the product.

The Low Dust effect will lead to:

- Cleaner working sites
- Easier and quicker renovation

SCOPE OF USE

webercol plus is used for fixing a wide range of tiles (ceramic, sandstone, granite, marble, porcelain, etc.) on the following substrates:

- Concrete
- Lightweight blocks
- Stone walls (cleaned and prepared)
- Existing tiles (internal use after preparation)
- Cementitious plaster and renders
- Gypsum Board (firmly fixed & dust free)
- Fixing of Polystyrene board to concrete or cementitious substrate.

Over difficult substrates such as cement board, gypsum, wood... Primer is required; **webercol prime**, consult company for advice.

webercol plus can be used for tiling in:

- Private swimming-pools ($\leq 80\text{m}^3$)
- Bathrooms
- Stairs
- Heated floors
- Facades
- Rooms
- Parking

CHARACTERISTICS

Appearance	Powder
Composition	Cement, siliceous sand and additives
Color	Grey or White
Powder density	1.20 ± 0.05
Paste density	1.55 ± 0.1
Open Time	25 min. at 20°C
Pot Life	2 hrs at 20°C
Wetting capability at 10 min	90%
Transfer at 20 min	85%



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
20 kg	20 kg	20 kg	25 kg	25 kg	25 kg	20 kg	25 kg

Shelf Life	12 months
Mixing Ratio	5 to 6 lit. per 25 kg 4 to 4.8 lit. per 20 kg
Resistance to bacterial growth according to ANSI 118 & 108 A	Pass. No evidence of bacterial growth
Coverage	3 to 7 kg/m ²
Service Temperature	-20°C to +70°C
VOC and formaldehyde content ISO/FDIS 11890-2/GC-MS	None (<10µg/l)

* Low dust feature available for **webercol plus** only in Lebanon, UAE, Qatar and Oman

TEST RESULTS

Test for EN 12004:2007

Open Time by Tensile Adhesion acc. EN 1346:2007 (N/mm ²)	5 minutes	1.2
Tensile Adhesion Strength acc. EN 1348:2007 (N/mm ²)	20 minutes	0.56
	Con A	1.1
	Con B	1
	Con C	1
	Con D	1

* 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

Test for ANSI A118.4: 2012

Shear strength (N/mm ²) F -5.3.2 & F - 5.3.3	7 days standard conditions	1.4
	28 days standard conditions	1.9

* (Above values have a $\pm 10\%$ tolerance)

APPLICABLE STANDARDS

BS 5980:1 980.

EN 12004: 2007, ANSI A118.4

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Surface must be clean and free from greasy matters or dust. Substrate 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 **webercol plus** in the proportion of 5 to 6 liters (4 to 4.8 L. for 20 kg) of clean cool water per 25 kg bag. 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 plus** 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 plus can also be applied on the back of tiles to ensure full adhesion with all the surface. In case exceptional performance is required, each bag of 25 kg **webercol plus** should be mixed with 1 liter **weberad 225 MB** (styrene butadiene latex bonding agent) + 4.75 liters clean water.

CLEANING

Clean the tools with water after use. Cured materials can only be removed mechanically.

PRECAUTIONS

Apply **webercol plus** on the substrate by areas of around 1 m² each, which can be tiled within a maximum of 25 minutes from application time at 20°C. After that time, an outer skin may form thus preventing the tile from adhering properly to **webercol plus**.

Adjustments to the tiles should only be made during

webercol plus open time. It is recommended to leave a minimum width of 2 mm around the tiles.

Grouting the tile joints should only be done at least 24 hours after tiling, using **weberjoint perfect** or **weberjoint**.

STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

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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