

## Two components high performance rapid setting highly flexible tile adhesive (Latex modified)

### PRODUCT

**webercol rapid flex** is a two-component cement-based polymer modified, highly flexible, rapid setting, waterproof... tile adhesive for internal & external use. It is a ready mix powder containing cement, siliceous sand and additives.

**webercol rapid flex** is a rapid setting tile adhesive that maintains superior workability and bonding strength especially formulated for use with thin and large format tiles.

**webercol rapid flex** exceeds standard requirements EN12004 and is classified as C2ES2. **webercol rapid flex** is S2 deformable according to standard EN 12002 with ability to perform in extended open time conditions "E".

The particular flexibility of **webercol rapid flex** along with a high mortar transformation capability will insure durable bonding in internal and external environments with a wide range of tiles and where exposure to thermal and dimensional variations are expected.

### SCOPE OF USE

#### Applicable tile types include:

- Thin and large format tile
- Agglomerated tiles (composite tiles)
- Full body & vitrified porcelain tiles (glazed or unglazed)
- Ceramic
- Granite
- Marble
- Sandstone
- Mosaics

#### Applicable substrates include:

- Concrete
- Lightweight blocks
- Stone walls (cleaned and prepared)
- Cement-based plaster and renders
- Gypsum boards
- Wood agglomerates
- Aluminum coverings
- Over existing tiles (after preparation)

*Over difficult substrates such as gypsum, wood..., primer is required, consult company for advice.*

#### Applicable conditions include:

- Where thermal and dimensional variations are expected
- In vibrating areas
- For external & internal waterproof tiling
- Where resistance to chemical aggression is required



### PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
19.425 Kg	-	-	-	-	-	-	-

Lebanon: 15 Kg powder + 4.425 Kg Liquid

#### Applicable cases include:

- Heated floors
- Swimming pools
- Bathrooms
- Stairs
- Balconies
- Hospitals
- Terraces
- Facades
- Rooms
- Parking
- Public showers
- Subways

### CHARACTERISTICS

Appearance	Powder + Liquid
Powder composition	Cement (ASTM C150), fillers-sand and admixtures
Liquid composition	Resins (polymer additives) and admixtures
Color	Grey or White
Density	1.52 kg/lit. ± 0.05
Open Time	30 min. at 20°C
Pot Life	1 hrs at 20°C
Setting Time (hours)	Initial set: ± 4h Final set: 5h to 6h
Drying time before traffic	24 hrs at 20°C
Shelf Life	6 months
Mixing Ratio	Mix pre-packed liquid with powder

Coverage	Notched trowel 6 by 6 mm = $\pm 3 \text{ kg/m}^2$ 8 by 8 mm = $\pm 5 \text{ kg/m}^2$
Service Temperature	-20°C to +70°C

### TEST RESULTS

Test for EN 12004:2007		
Open Time by Tensile Adhesion acc. EN 1346:2007 (N/mm <sup>2</sup> )	20 minutes	1.17
	30 minutes	0.5
Tensile Adhesion Strength acc. EN 1348:2007 (N/mm <sup>2</sup> )	Con A	$\geq 1.6$
	Con B	$\geq 1$
	Con C	$\geq 1$
	Con D	$\geq 1$

\* (Above values have a  $\pm 10\%$  tolerance)  
 \* Con A - 28 days standard 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  $\pm$  5)% Relative Humidity & 23 ( $\pm$  2)°C

### Test for EN 12002

Deformation from horizontal plane (mm)  $\pm 11$

### APPLICABLE STANDARDS

EN 12004:2007

### INSTRUCTIONS FOR USE

#### SURFACE PREPARATION

Surface must be clean, sound, and free from greasy matters and 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 the two components of **webercol rapid flex** by pouring the powder in the liquid progressively while stirring the liquid. 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 rapid flex** 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 rapid flex** can also be applied on the back of tiles to ensure full adhesion on the entire surface.

### CLEANING

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

### PRECAUTIONS

Apply **webercol rapid flex** on the substrate by areas of around 1m<sup>2</sup> 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 rapid flex**. Adjustments to the tiles should only be made during **weber.col flex**'s 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**.

For immersed areas, allow 21 days curing for **webercol rapid flex** before filling with water.

Clean the tools with water after use.

### STORAGE

**webercol rapid flex** can be stored for 6 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 thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and seek medical attention. The product is non-flammable.

### DISCLAIMER

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are listed for guidance only. For more information, please contact the company's office in your location.

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