



## **webercol Smart**

Cement-based adhesive with zero vertical sliding and excellent flow

### **Advantages**

- Ecological adhesive with reduced CO2 emissions
- Based on recycled materials
- Extremely creamy

### **Characteristics**

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### ➤ **Applications**

Laying terracotta, single- and double-fired ceramic tiles on both indoor and outdoor walls and floors. Adhesive also suitable for indoor application of impervious stoneware tile formats no larger than 20x20.

### **Substrates:**

- Cement-based mortar
- Plaster and anhydrite and cement screeds (apply **weber.prim PF15** before installation).

### **Do not apply on:**

- Concrete
- Aerated cement
- Wood
- Metal
- Floors made of vinyl, linoleum, rubber
- Old ceramic or natural stone floors
- Screeds with underfloor heating.

*See quick-choice guide for these applications*

➤ **Package information**

**Packaging:**

25 kg and 5 kg bags

**Appearance:**

powder

**Colors:**

white, gray

**Shelf life:**

- Validity of performance specifications: 12 months, if kept in a dry place in the original unopened package

- Product compliant with Regulations 1907/2006 (REACH), Annex XVII, paragraph 47 and 1272/2008 (CLP), Annex II, paragraph 2.3, as indicated on the package.

**Yield per package:**

25 kg bag: 5-12.5 m<sup>2</sup>

5 kg bag: 1-2.5 m<sup>2</sup>

➤ **Consumption**

Product	Amount required	Thickness
weber.col Smart	2 kg/m <sup>2</sup>	mosaic tiles
weber.col Smart	2÷5 kg/m <sup>2</sup>	other formats

**Application**

➤ **Application Specifications**

Mixing water:

white 27÷28%

gray 26÷28%

Pot life: 6 - 8 hours

Application temperature: +5 to +35°C

Open time: >30 min

Practicable after: 24÷48 hours

Final hardening time: 14 days

Maximum thickness: 1 cm

**Grouting:**

- Walls: 6÷8 hours

- floors: 24÷8 hours

*Times calculated for 23°C and R.H. of 50% should be increased for low temperatures and higher RH values, and reduced for higher temperatures*

➤ **Tools**

- Low-speed drill or trowel
- Serrated finishing trowel

➤ **Substrate preparation**

The substrates must be flat, stable, hard, clean, dry and normally absorbent. Apply a coat of **weber.prim PF15** on plaster or anhydrite substrates at least 6 hours beforehand.

➤ **Application**

**Preparation of mix:**

- Pour a 25 kg bag into approx. 6.5-7 liters of clean water.
- Mix using a trowel or a drill at low RPM (500 rpm) until you obtain an even, lump-free mixture.
- Let the mixture rest for about 10 minutes. Stir again briefly before use.

**Laying procedure:**

- Press the bonding agent onto the substrate with the smooth side of a finishing trowel and then apply the desired thickness using the grooved side of the trowel. This not only incorporates any traces of dust, but also allows you to take full advantage of the open and adjustment times of the bonding agent by rendering absorption more uniform.
- When laying the tiles, make sure no skin has formed on the surface of the bonding agent. If necessary, rework the surface using a float and a little fresh product.
- Carefully tap the tiles to ensure the wetting process is perfect.
- **weber.col Smart** can also be mixed with **weber L50**. This provides an adhesive with improved deformability and greater water resistance.

➤ **Warnings and recommendations**

- Do not apply on substrates that are frozen or in the process of thawing, or where there is a risk of freezing within the next 24 hours.
- Do not apply to substrates prone to rising damp
- Porous surfaces must be moistened with water on warm, windy days.
- Outdoors and when high stresses are present, apply a double coat with suitable pressure

**Technical specifications**

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pH of mixture: 12

Harmfulness: no

Flammability: no

Resistance to moisture: excellent

Resistance to aging: excellent

Resistance to solvents and oils: excellent

Resistance to acids and alkalis: poor  
Resistance to temperature: -30°C to 90°C  
Open time (EN 1346) 30 min:  $\geq 0.5 \text{ N/mm}^2$   
Adhesion (EN1348):  
- initial 28 days  $\geq 0.5 \text{ N/mm}^2$   
- after being heated  $\geq 0.5 \text{ N/mm}^2$   
- after immersion in water  $\geq 0.5 \text{ N/mm}^2$   
- after freezing/thawing cycles  $\geq 0.5 \text{ N/mm}^2$   
No vertical sliding

*These values were obtained in laboratory tests in a controlled environment and may be affected considerably by conditions in the application area.*

\*\* Italian Legislative Decree no. 52 dated 3 February 1997, as amended.

➤ **Compliance:**

➤ **Material Specifications**

Laying of interior and exterior ceramic floor and wall tiles with **weber.col Smart** cement-based adhesive in powder form by **Weber**, offering exceptional trowelability. Prolonged open time, zero vertical sliding. Class C1TE accordin

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