



Area of use

Tixotrop Element Joint Mortar is used for the vertical jointing of concrete elements in layers of < 50 mm. The joint mortar provides good frost resistance. The product is not suitable for salt environments. The product is pumpable.

Pre-treatment

For best results, the temperature in the work area should be between 10–25 °C. Store the dry mortar and other materials so they will remain over 10 °C before use. At temperatures lower than 5 °C, the strength development will cease. If the product is used in temperatures below 5 °C, then winter measures should be implemented. The substrate should be clean and free from dust, a cement skin, grease or other impurities that can prevent adhesion. Smooth and glossy surfaces should be roughened and elutriated when necessary. Pre-water before the casting begins. There must not be free water in the joint.

Mixing

The dry powder is mixed with 3.2 litres of water (16 %) per 20 kg bag. The amount of water may be adapted to the area of use. The addition of increased water gives a looser consistency, as well as lower strength and somewhat greater shrinkage. The mixing is done in a paddle mixer or a free fall mixer for approx. 5–10 minutes, or with a drill and a whisk. The mortar is mixed into a homogeneous mass. Such a mixture provides approximately 11.2 litres of finished mortar. Use the pre-mixed mass within approx. 30 minutes.

Application

Fill the joints with the pre-mixed mortar. Mortar that has started to cure may not be mixed with more water and must be discarded.

Post-treatment and curing

Protect the newly-cast surfaces immediately from direct sunshine, rain and high wind. Post-watering should always be done for at least three days in dry and warm weather, as well as in the case of strong winds. Use a water hose with a fine spray nozzle. The strength increases with the post-watering of the cured material. Cover the post-watered surface with plastic. The concrete surface must not be exposed to frost before the strength has reached 5 MPa.

Storage time and packaging

Store in a dry environment, on an unopened plastic-coated pallet, 12 months from the date of production. The date of production is printed on the packaging. The product is delivered in bags of 20 kg and big bags.

Residual products and safety information

Empty bags can be burned. Any remaining, dry powder that has been stored properly can be used again. Hardened material should be disposed of as construction waste. Do not wash the product into the sewage system. The cement in the product has a reduced level of chromate. Follow regulations in each respective country.

Health, environment, safety and technical service documents

For current version of product information, contact Combimix at info@combimix.se. Previously updated and dated issues are no longer valid. For more information contact our sales organization.

Technical data

Binder	Portland cement
Grain size	≤ 1 mm
Compressive strength class	C40/50
Water demand	3.2 liters/20 kg
Water cement ratio	approx. 0.4
Air content	approx. 7 %
Workable 20 °C	approx. 30 min
Begins to cure	in approx. 4 hrs
Application depth	< 50 mm
Frost resistance	good
Material consumption	approx. 2,0 kg/m ² /mm
Color	grey

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