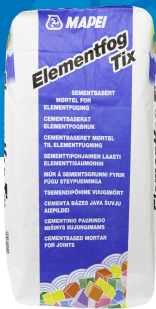


ELEMENTFOG TIX

Thixotropic mortar for filling element joints



AREA OF USE

Vertical joints between precast concrete elements without use of shuttering. Can also be used on horizontal joints. Ideal for other uses where a high degree of firmness and thixotropic properties are required.

Examples of use

- Jointing between precast concrete elements
- Jointing masonry walls
- Jointing lightweight concrete elements
- Filling non-movable joints
- Filling depressions, bar holes, joints between old and new concrete

TECHNICAL DATA

Elementfog Tix is a fibre-reinforced, shrinkage-compensated, pumpable special mortar with thixotropic properties. Its composition is based on cement, well-graded sand, expanding and stabilising additives. Mixed with water, **Elementfog Tix** becomes an easily-workable thixotropic mortar, which does not creep even when applied thickly in vertical joints. The product can be easily and traditionally applied by hand.

Elementfog Tix adheres well to concrete, provided it is free of dust and slightly porous.

RECOMMENDATIONS

- **Elementfog Tix** should not have cement or other substances added
- Do not add water once binding has started
- Do not use **Elementfog Tix** at temperatures below +5°C
- Do not use **Elementfog Tix** if the packaging is damaged or it has been opened earlier

GUIDELINES BEFORE USE

- Remove damaged and loose concrete for a firm surface.
- Remove dust, loose particles, grease, form release agents and old paint.
- **Elementfog Tix** should be applied to a damp surface. Avoid any pools of water.

MIXING

Elementfog Tix only requires water, 3.8 - 4.0 litres per 20 kg sack. Mix for at least 3 minutes. Do not add more water than recommended. Too much water will reduce adhesion and give a poor result. Depending on the quantity, pumps, forced mixers or drill and whisk can be used.

APPLICATION

Apply the mortar into the joint using suitable pumping equipment, or manually using a trowel, and smooth over to finish. Shuttering is not required even in vertical joints, and the mortar can be built up to a thickness of 50 mm. Shuttering can be used on one side for open-sided joints. Jointing can be finished off using **Monofinish** or **Mapelastix**. Finished surfaces can be painted using **Elastocolor Paint**.

CONDITIONS FOR USE

- Use only product which has been stored in a dry place in its original packaging
- At low ambient temperatures the product should be mixed with water of temperature +15°C - 20°C
- Ensure good curing after application by applying water or **Mapecure E** to **Elementfog Tix**, especially in hot or windy weather

CLEANING

Fresh mortar can be washed off with water. If allowed to dry, mortar can be removed only mechanically.

CONSUMPTION

Approx. 1.8 kg mortar per litre mix.

PACKAGING

Elementfog Tix is supplied in 20 kg sacks and 1000 kg big bags.

STORAGE

Store in a dry place. Shelf life 12 months in unopened packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.no

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

State:	powder
Type:	CC
Colour:	grey
D _{max} (mm):	1.0
Solid contents (%):	100

FINAL PROPERTIES (at +20°C and 50 % relative humidity)

Colour after mixing:	grey
Mixing ratio:	100 parts Elementfog Tix to 19 - 20 parts water (3.8 - 4.0 l per 20 kg sack)
Max. layer thickness for each application (mm):	50
Consistency:	thixotropic
Density (kg/m ³):	2150
pH:	> 12
Temperature range for use:	from +5°C to +35°C
Application time:	approx. 45 minutes

PROPERTIES WHEN CURED (20 % water by vol.):

Performance characteristics	Test method	Minimum requirements	Product performance
Compressive strength (N/mm ²):	EN 12190	-	> 50 (after 28 days)
Tensile strength in bending (N/mm ²):	EN 196-1	-	> 9 (after 28 days)
Exposure class (19,5% mixing water):	EN 206-1	not required	X0/XC4/XS3/XD3/XF4/XA1
Reaction to fire:	Euroclass	Value declared by manufacturer	A1

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above - information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the technical data sheet, available from our web site www.mapei.no

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.no

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