



Technical Data Sheet

FIX 20-T

Art.-No 2 01817

Rapid setting swellable waterproofing membrane and plugging mortar

- Chloride free, without components which cause corrosion
- Highly reactive rapid mortar
- Strong bond to concrete substrates
- Rapid setting - also under water
- Compatible with the crystalline waterproofing system AQUAFIN-IC
- For interior and exterior use

Areas of application:

FIX 20-T is a particularly rapid setting cement-based mortar for sealing water-bearing holes, splits, cracks in concrete, masonry work and natural stone constructions. Flowing water is stopped within seconds supported by the integrated swelling power. The strong adhesion to the substrate ensures a durable seal to the leaking area.

- Immediate seal to water leaks and areas of seepage in cellars, shafts, ducts etc.
- Repair to concrete areas before the application of a waterproofing system (such as e.g. AQUAFIN-IC)
- For fixing wall anchors and other mounted parts that need to be in service shortly

Technical Data:

Basis:	cement, additives
Colour:	cement grey
Bulk density:	approx. 1.4 kg/dm ³
Application/substrate temperature:	+5° C to +35° C
Pot life:	approx. 2 - 3 minutes *)
Setting commences:	approx. 3 - 5 minutes *)
Consumption:	approx. 2 kg per litre of void
Storage:	dry, 12 months in the original unopened packaging. Use up opened packaging soon after opening.
Packaging:	6 kg and 2 kg plastic buckets

Strength development:

Compressive strength

After 0.5 hours:	approx. 3.0 N/mm ²
After 24 hours:	approx. 15.0 N/mm ²
After 28 days:	approx. 30.0 N/mm ²

Substrate preparation:

The substrate must be sound, stable, clean and free from adhesion inhibiting substances. Loose render and masonry sections are to be removed. To improve anchoring of FIX 20-T before plugging the running area, chop out as necessary in the form of a swallow tail (min. 3 cm deep).

Product application:

Firstly mix the powder homogenously with approx. 25% water to a workable mortar. Do not mix more mortar than can be used within 2 minutes. Plugging running water areas is achieved by pressing the mortar into the void until the material has hardened. Push in by hand. Hardening can be recognized by a significant temperature raise.

In the case of high water pressure it may be necessary to divert the water by inserting a hose or pipe to minimise the water pressure and to ease the plugging process. For this application the area of strongest water flow must be chopped out deeper followed by fixing a hose or pipe with FIX 20-T mortar. Following adequate drying the hose or pipe is removed and the remaining hole plugged with mortar as described above.

*) The figures are based on +23°C and 50% relative humidity. Site and weather conditions can extend or shorten the given data.

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Advice:

- Protect areas not to be treated with FIX 20-T from its effects.
- Carry out appropriate trials first.
- At low temperatures use water as warm as possible as well as warmed powder. At high temperatures use water as cool as possible and cooled powder. In general the temperature of the powder should not exceed +23° C.
- FIX 20-T may not be mixed with gypsum or be brought into contact with it.
- When using the product, personal safety measures must be met (e.g. suitable gloves, protective glasses etc.).

Please observe a valid EU Health & Safety data sheet.

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