

# FIX 20-T

## Rapid setting swellable waterproofing membrane & plugging mortar

### Properties:

- 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 weight	1.4kg/dm <sup>3</sup>
Application/ Substrate temp:	+5°C to +35°C
Pot life:	approx. 2-3 minutes *)
Setting commences:	approx. 2-3 minutes *)
Consumption:	approx. 2 kg per litre of void
Packaging	6 kg and 2 kg buckets
Storage	dry, 6 months in the original unopened packaging. Use up opened packaging soon after opening.

\*) at +20° C ambient temperature and +15° C gauging water temperature.

Strength development*	Flexural strength* N/mm <sup>2</sup>	Compressive strength* N/mm <sup>2</sup>
0.5 hours	Approx. 1.0	Approx. 3.0
24 hours	Approx. 4.0	Approx. 15.0
7 days	Approx. 10.0	Approx. 30.0
28 days	Approx. 7.0	Approx. 40.0

### Substrate preparation:

The surface 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. 3cm deep).

### Product preparation:

Firstly mix the powder homogenously with approx. 2.5% 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 minimize 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.

### Important advice:

- Protect areas not to be treated with FIX 20-T
- 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 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-safety data sheet.

GISCODE: ZP1

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