



TANGIT M3000 FTTH

Technical Data Sheet v.1, March 2026

CHARACTERISTICS

- Tool free application by handheld syringe
- Ideal for small diameter drill holes up to 30 mm
- Self-expanding to the 5-fold volume
- Non-shrinking
- Durable
- Functional strength after 5 minutes
- Final strength after 30 minutes
- Resistant to rotting, non-biodegradable, nonresistant to UV light (e.g. sunlight)
- High tensile and torsion resistance
- Compatible with all common building materials
- High thermal stability (650°C/30 min.)
- Waterproof 1 bar
- Gastight up to test pressure 3 bar

APPLICATION AREAS

- Especially developed for FTTH (fiber to the home) installation
- Annular seal in wet installation according to DIN 18533
- Data cables, standard electric cables, service pipes, protecting pipes
- For buildings with and w/o basements



INSTRUCTIONS FOR USE

Surface preparation

The surface must be firm, clean and free of any parting agents. Do not apply to stagnant water. Moist masonry does not affect the product performance.

Temperature range (cartridge)

The temperatures affect the reaction time and the open time, the warmer the faster/shorter. Optimum processing temperature: 15 - 25°C (product, ambient and workpiece/surface temperature). When working at low ambient temperatures (0 - 10°C) heat TANGIT M3000 FTTH to room temperature before use.

Application

- Seal the annular gap provisionally on both sides (eg with PE round cord) against uncontrolled resin escape.
- Remove the cap from the syringe and screw on the mixing nozzle.
- Insert the mixer into the largest depth of the gap, inject resin in the required amount at the highest point; then pull out slowly.
- Resin leakage out of the opening signals a complete infilling; insert more resin if needed.

TECHNICAL DATA

Raw material basis	2c polyurethane
Filling volume, ml	23
Foam volume, ml	150
Foam density, kg/m ³	150
Processing temperature, °C	5 - 35
Curing time, 23°C, minutes	5
Final strength after, 23°C, minutes	30
Tensile strength (FTTH conduit), N	> 500
Dimensional stability, %	< 1
Water tightness (Inst. depth 200 mm), bar	> 1
Gas/air tightness (Inst. depth 200 mm), bar	3



CONSUMPTION

The foam volume of one syringe is sufficient to completely fill the hole with the following wall thicknesses:

Drill hole Ø (mm)	Ductwork Ø (mm)	Wall thickness (cm)
20	7	54.4
20	12	74.6
25	7	33.2
25	12	39.7
30	7	22.4
30	12	25.3

LIMITATIONS

Shelf life

Minimum shelf life is 18 months.

HEALTH AND SAFETY

It is recommended to consult the current safety data sheet for precautions and safety advice before starting processing. The safety data sheet is available at www.mysds.henkel.com. For information for allergy sufferers on Tel. 0049 (0)211 797 0 (keyword emergency).



NOTICE: TRAINING REQUIREMENT

From August 2023, every user must be able to provide proof of personal training on the safe handling of reactive PUs (with an MDI content > 0.1%) upon request. Please feel free to use Feica's digital training tool for this purpose. Training module DE-T-048.

www.feica.eu/PUinfo

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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