


Technical Data Sheet

Tangit M 3000 Expansion Resin

I. Material

Product name:

Tangit M 3000 Expansion Resin

Material type:

2-component expansion resin,
propellant-free.

Intended use:

Installation of:

- gas and water house service lines
- wall ducts for sewage pipes
- wall ducts for cables
- FTTH microtubes

Packaging:

2-component cartridge with
300 ml (yield: 1.5 l expanding
resin)

Shipping unit:

6 cartridges of 300 ml
+ 6 static mixers incl. extension
tubes

Static mixers and extension tubes
are separately available.

II. Special features

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> • High tensile resistance (tensile force: 30 kN) • Gastight (test pressure: 1 bar) • High torsion resistance (tested at a torque of 240 Nm) • Thermally stable (30 min. at 650°C, test pressure: 0.1 bar, medium: air) • Watertight in connection with Tangit Sealing Hose (test pressure: 1 bar) | <ul style="list-style-type: none"> • Non-shrinking • Non-ageing, rotproof • Non-biodegradable • Resistant to oil, water and solvents • Compatible with all commonly used building materials and plastics (e.g. PS foam / polystyrene®) | <ul style="list-style-type: none"> • Hardens after only 5 min., final strength reached after 30 min. (at 20°C) • Tested by the DVGW Research Center, Karlsruhe (based on DVGW test method VP 601). |
|---|---|--|

III. Instructions for use

Substrate preparation:

The substrates must be solid, clean and free of separating agents.

PE surfaces must be cleaned with Tangit Cleaner PE/PP/PVDF or Tangit Cleaning Tissues PE/PP/PVDF.

Afterwards, roughen the surface crosswise at least two times with abrasive paper (grit 240). Remove the sanding dust.

Application:

Minimum working temperature: +5°C

Maximum working temperature: +30°C

Optimum working temperature: +15°C to + 25°C

(material, ambient and workpiece/ substrate temperature)

Application at low ambient temperatures (0-10°C): if possible, warm the material up to room temperature before use. Otherwise curing will be considerably delayed.

Do not apply to stagnant water. Damp brickwork does not affect the performance of the product.

Insert the service pipe and center it with a rubber ring. Make sure that the opening in the ring is positioned to the top.

If the pipe is already centrally positioned, it is also possible to use the supplied template "lost formwork" (reusable cardboard with an injection hole) to prevent the expansion resin from flowing out.

Remove the protective cap from the cartridge. Screw on the mixing nozzle and insert the cartridge into the cartridge gun. For the 300 ml cartridge a 2-component gun for coaxial cartridges is needed (e.g. Tangit FP 520 or Ponal PP 6). Squeeze a few cubic centimeters (5-15 cm³) of the polyurethane mixture onto a piece of paper or foil until the emerging material has a uniform colour.

Immediately insert the mixing tubes into the openings of the rubber rings resp. of the "lost formwork" templates (inside / outside). Then evenly inject the content of the cartridge into the annular gap.

The free spaces on both sides of the annular gap can also be sealed off using a toroidal PE sealing ring.

If the cartridge is not completely emptied, it must be closed again immediately. The remaining content can be used later with a new static mixer.

In the case of permanently pressing water, additionally use the Tangit Sealing Hose M 4082 (also see appendices 1 and 2).

IV. Special instructions

Storage:

Store upright in a cool, dry place, but not below +5°C.

Shelf life:

15 months at 20°C.

Skin cleaning:

In case of skin contact, scrape off the resin immediately and wash the skin with water and soap.

The cured resin can only be mechanically removed from the skin. Afterwards rub cream into the skin.

Safety information:

See cartridge label.

Disposal:

Dispose of or recycle the emptied container and packaging according to the applicable local regulations.

The respective codes of the European Waste Catalogue (EWC) can be enquired from the manufacturer.

Fully cured polyurethane is no longer a hazardous substance. Product residues can be disposed of as household/industrial waste.

Internet:

www.tangit.com

This Technical Data Sheet is based on our present knowledge and experience.



Please note:

The above information can only be of a general nature. As materials and conditions may vary with each intended application and thus are beyond our influence, we recommend that the user always carries out sufficient tests to ensure our products are suitable. No liability can be accepted for particular application results based on the information and instructions given in this leaflet.

Henkel AG & Co. KGaA – 40191 Düsseldorf, Germany