


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
+ 2 templates "lost formwork"
+ Technical Data Sheet

Static mixers and extension tubes
are separately available.

II. Special features

- 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)
- 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®)
- 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 centi-
meters (5-15 cm³) of the poly-
urethane 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.

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