



Konudur 170 BT

**Thermo-reactive CIPP lining resin
for warm ambient conditions**

Product properties

- Two-component, warm hardening epoxy based resin
- Low-viscosity for enhanced impregnation
- Light-blue pigmentation
- Long-application time
- High-strength even under warm ambient conditions
- Good adhesion to brick, concrete and ceramic
- Can be applied onto dry and moist mineral or metallic substrates
- Dimensional stability under temperatures $\geq 93^{\circ}\text{C}$

Areas of Application

- Impregnation of polyester-needle felt hoses for CIPP liner systems
- No-dig rehabilitation of defective sewer pipes and ducts
- Suitable CIPP resin in accordance with EN 11296-4

Application

Substrate preparation

See data sheet "General Application advice for CIPP liner systems".

Mixing

See data sheet "General Application advice for CIPP liner systems". Konudur 170 BT is made up of a base (comp. A) and a hardener (comp. B). The two components have to be carefully mixed to a uniform consistence using a slow-running mechanical stirrer or a suitable static mixer (max. 400 rpm). Mixing by hand and mixing of partial quantities is not allowed.

Mixing ratio

See the table "Technical data". The base and hardener component are supplied in packs containing proportionate amounts. Where the components are supplied in drums, the settings on the mixing plant must ensure a correct mixing ratio.

Application

See data sheet "General Application advice for CIPP liner systems".

Curing / Release

See data sheet "General Application advice for CIPP liner systems".

For curing / release times see also the table "Technical data". Curing only by warm-hardening and with a minimum temperature of $+ 80^{\circ}\text{C}$.

General information

The stated times are shortened by high temperatures and extended by low temperatures. A 10 K temperature change doubles or halves the stated times. See also the data sheet "General Application advice for CIPP liner systems".

Safety advice

Observe the hazard notices and safety advice on the labels and safety data sheets.

GICODE: RE1



Technical data for Konudur 170 BT

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.w.	5 : 1	comp. A : comp. B
Density	kg / ltr.	approx. 1.45 approx. 1.0 approx. 1.35	comp. A comp. B mixture
Viscosity	mPa•s	approx. 10,000 approx. 600 approx. 8,000	comp. A comp. B mixture
Pot life (100 g)	min	approx. 120	at + 22 °C (temperature rise to + 40 °C)
Processing time (bucket à 10 kg)	min	approx. 60	at + 15 °C
Processing time (impregnated needle felt, laid out lengthwise, 3 mm thickness)	h	approx. 3.5	at + 15 °C (ambient and material temperature)
Curing time of CIPP liner (until reducing positioning pressure, 3 mm thickness)** / ***	min	approx. 80	at + 80 °C (minimum heating temperature)
Full chemical and mechanical resistance	d	7	warm curing assumed
Application conditions***	°C	+ 10 - + 35 + 15 - + 20	air- and substrate temperature resin temperature

Product characteristics for Konudur 170 BT

Equipment cleaner	MC-Reinigungsmittel U
Colour	light-blue
Form of delivery	30 kg combi-packs
Storage	If tightly sealed, the original packs can be stored for at least one year at temperatures between + 5 °C and + 30 °C under dry conditions. The same requirements apply to transport.
Pack disposal	Make sure the pack is completely empty.

* Unless otherwise stated, all technical data were determined at +23°C and 50% relative air humidity

** Observe technical data sheet and maximum temperature resistance of carrier material to be used.

*** Without any impact of groundwater.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed all times.

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