HOUSELINER™ thix

HOUSELINER™ thix is an easily applicable thixotropic Epoxy resin composed of two components for the impregnation of felt or glass fibre liners for the rehabilitation of house connections.

Field of application is the rehabilitation of defective underground sewers by liner technique.

Product features:

- no run-off
- dripping tendency greatly reduced
- suitable for damp mineral substrates
- good adhesion to concrete, masonry and stoneware, metal as well as liners
- physiologically and ecologically harmless after curing
- temperature resistant up to 45°C with RE60 hardener
- use with RE80 or RE90 hardeners if higher temperature requirements apply

Processing information:

Surface preparation: The substrate must be clean and free of loose material, dust, oil, grease and substances that could interfere with adhesion. It can be dry or moist. The substrate must be loadbearing and must have the generally requested tear strength of 1,5 N/mm^2.

Mixing: HOUSELINER™ thix resin and the respective hardeners are delivered in quantitively predosed containers. Both components must be mixed homogeneously by using slow-running mechanical mixers (minimum mixing time: two minutes). For keeping the mixing ratio accurate as well as for ecological reasons the recipients have to be completedly emptied.

Processing: Generally the substrate is impregnated with HOUSELINER™ thix by vacuum/pressure injection. Make sure that there is enough excess resin so that a comprehensive resin cushion can form between the pipe and the glass fibre or felt.

Special advice: The direct contact with UV radiation can cause colour changes. This does not affect the usability.

Safety instructions: Please read the safety precautions and warnings on the labels and in the safety data sheets!

Technical characteristics of HOUSELINER™ thix

Base	Epoxy resin
Colour	resin: green; hardener: clear yellowish
Number of Components	2
Mixing ratio	resin : hardener with hardener RE38 = 2,5 : 1 (weight) with hardener RE60 = 2,5 : 1 (weight) with hardener RE88 = 3,125:1 (weight) with hardener RE90 = 4,75 : 1 (weight)
Specific weight (mixture)	≈ 1,2 g/cm³
Potlife (at 20°C)	with hardener RE38: approx. 20 minutes with hardener RE60: approx. 30 minutes with hardener RE80: approx. 50 minutes with hardener RE90: approx. 65 minutes
Curing time (at 10°C)	with hardener RE38: approx. 2,5 hours with hardener RE60: approx. 4 - 5 hours with hardener RE80: approx. 8 hours
Curing time (at 60°C)	with hardener RE90: approx. 2 hours (only heat curing!)
Chemical resistance	pH2 to pH12
Cleaning	with resiClean TOOLS (uncured epoxy resin) with resiClean EPOXYKILLER (cured epoxy resin)
Consumption	as required
Complete chemical stability	after 7 days
Temperature resistance	up to 45°C with hardener RE60 high temperature version up to 120°C (on request)
Operating conditions	ideal material temperature for mixing: 20°C application temperature 5 to 35 °C
Storage	store dry, frost-free and not above 35 °C, protect from direct sunlight
Shelf life	6 months if the conditions mentioned above are fulfilled, after this period an increasing of the viscosity is possible.
Disposal	Fully cured residues (mixture) may be disposed as „plastic parts“.

If not mentioned separately, indicated figures are valid at a temperature of 20°C and a relative humidity of 50 %.

Note: All details provided in this datasheet are based on our experiences and are true to the best of our knowledge but without engagement. The given values are to be regarded as a guideline as they depend on the local circumstances and the conditions on site. Recommendations differing from our data sheets are only mandatory if confirmed by us in written form.