

HOUSELINER™



HOUSELINER™ is an easily processable two-component epoxy resin for impregnating felt liners for the rehabilitation of house connection pipes.

Fields of application are the rehabilitation of sewers and the repair of defective pipes using relining technology.

Product features:

- suitable for damp, mineral substrates
- good adhesion to concrete, masonry and stone-ware as well as to liners
- can also be used on metallic surfaces
- optimised for use on damp surfaces
- physiologically harmless after curing
- temperature-resistant up to 45°C with hardener RE60
- use with RE80 or RE90 hardeners if higher temperature requirements apply

Processing information:

Substrate preparation: The substrate must be clean and free from all loose particles, dust, oil, grease or other substances with a separating effect. It can be dry or damp. It must be load-bearing and have the generally required peel strength of 1.5 N/mm².

Mixing: HOUSELINER™ resin and the respective hardeners are supplied in containers with matching quantities. Both components must be carefully mixed homogeneously using slow-running mechanical stirring equipment (e.g. Collomix Xo 55 duo). The minimum mixing time is two minutes. Complete emptying of the containers is essential to maintain the mixing ratio and is necessary for ecological reasons.

Processing: Usually the substrate is impregnated with HOUSELINER™ by vacuum/pressure injection. Sufficient excess resin must be ensured so that an area-wide resin cushion can form between the pipe and the felt.

Special notes: Contact with UV radiation can lead to colour changes. This normally does not affect the usability.

Safety instructions: Please observe the hazard information and safety advice on the labels and safety data sheets!

Technical characteristics of **HOUSELINER™**

Base	Epoxy resin
Colour	resin green; hardener yellowish clear
Number of components	2
Mixing ratio	resin : hardener with Hardener RE38 = 2:1 (weight) with Hardener RE60 = 2:1 (weight) with Hardener RE80 = 2,5:1 (weight) with Hardener RE90 = 3,8:1 (weight)
Specific weight (mixture)	≈ 1,05 g/cm ³
Pot life (at 20 °C)	with hardener RE38: approx. 20 minutes with hardener RE60: approx. 30 minutes with hardener RE80: approx. 40 minutes with hardener RE90: approx. 65 minutes
Curing time (at 10 °C)	with hardener RE38: 2,5 hours with hardener RE60: 4 - 5 hours with hardener RE80: 8 hours with hardener RE90: 10 hours
Chemical resistance	pH2 to pH12
Cleaning	with resiClean TOOLS (uncured epoxy resin) with resiClean EPOXYKILLER (cured epoxy resin)
Consumption	as required
Complete chemical resistance	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	dry, frost-free and not above 35 °C, protect from direct sunlight.
Shelf life	under the above conditions up to 6 months; thereafter separations and viscosity increases possible
Disposal	Cured resin residues (mixture) can be disposed of as plastic (waste code number 120105).

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.