

PARTLINER™



PARTLINER™ is a two-component epoxy resin for bonding the glass fiber-based short liner process of the same name. In combination with the RE60 hardener and the 1415 g/m² glass fiber fabric mat, PARTLINER™ has DIBt approval.

Field of application is the rehabilitation of sewers and pipes by partial fiberglass mesh lining using the short liner method.

Product features:

- very good adhesion to concrete, masonry and stoneware as well as on liners
- optimized for use on damp surfaces
- physiologically and ecologically harmless after curing
- very good high-pressure rinsing resistance
- perfect mixing, air-free impregnation and seamless documentation through the PARTLINER™ System app.

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/mm².

Mixing: PARTLINER™ resin and hardener are supplied in quantitatively matched containers. Both components are to be homogeneously mixed with each other using the PARTLINER™ Control app via the PARTLINER™ Dosing Technology. Complete emptying of the containers - necessary to maintain the mixing ratio and for ecological reasons - is carried out automatically by using the PARTLINER™ Dosing Technology.

Processing: The PARTLINER™ resin is poured directly from the PARTLINER™ Dosing Technology onto the substrate, which has been inserted into a tubular film. The air-free impregnation as well as the calibration of the PARTLINER™ are semi-automated - controlled by the PARTLINER™ Control app - via the PARTLINER™ Vacuum Impregnator. The curing time is approx. 75 minutes at 20°C when using hardener RE38, and approx. 3-4 hours at 20°C when using hardener RE60. Heating accelerates curing, as does a higher ambient temperature.

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 **PARTLINER™**

Base	Epoxy resin
Colour	linercoloured (after curing)
Number of components	2
Mixing ratio	resin : hardener : with hardener RE38 = 2:1 (weight) with hardener RE60 = 2:1 (weight)
Specific weight (mixture)	≈ 1,0 g/cm ³
Pot life (at 20 °C)	with hardener RE38: approx. 25 minutes with hardener RE80: approx. 45 minutes
Curing time (at 10 °C)	with hardener RE38: approx. 2,5 hours with hardener RE60: approx. 4 - 5 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
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.