

Harz¹²



Harz12 is a pasty Epoxy resin composed of two components for the rehabilitation of waste water systems.

Fields of application are the robotic or manual rehabilitation of joints, holes, cracks or missing parts in pipes using spatula techniques.

Product features:

- pasty
- high chemical resistance (f.e. against biogenic sulphuric acid)
- high mechanical resistance (f.e. against abrasion)
- excellent adhesivity on dry and moist surfaces
- easy application

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: Harz12 resin and hardener are delivered in quantitatively predosed tubular bags. The two components must be mixed homogeneously in the mixing ratio 3:1 (resin:hardener) using a paste mixing plant with a static mixer nozzle. To maintain the mixing ratio as well as for ecological reasons the recipients have to be completely emptied.

Processing: Harz12 can be applied by robotic spatula techniques or manually into joints, cracks, holes or missing parts. If applied manually the resin should be worked by hand into the surface by circular movements (Use appropriate protective gloves!) to ensure tight contact with surface. The layer thickness can amount up to 5 cm.

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 Harz¹²

Base	Epoxy resin
Colour	light grey
Number of Components	2
Mixing ratio	resin : hardener = 3 : 1 (volumen)
Specific weight (mixture)	≈ 1,8 g/cm ³
Potlife (at 20°C)	approx. 40 minutes
Curing time (at 10°C)	approx. 8 hours
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
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.