

Harz⁸



Harz8 is a permanently flexible and fast curing Epoxy resin composed of two components for the manual application. Harz is approved by the DIBt for liner connections to manholes and the sealing of annular gaps on PE.

Fields of application are the permanently flexible sealing of liners to manholes, pump shafts in sewer systems, collecting tanks, etc. as well as the sealing of annular gaps on PE.

Product features:

- ♦ pasty
- ♦ permanently flexible after curing
- ♦ compressable up to over 45 %
- ♦ expansible up to approx. 20 %
- ♦ high chemical resistance (f.e. against biogenic sulphuric acid)
- ♦ high mechanical resistance (f.e. against abrasion)
- ♦ excellent adhesion on nearly all humid or dry surfaces
- ♦ air-free mixing with paste mixing plant

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: Harz8 resin and hardener are delivered in quantitatively predosed tubular bags. Both components must be mixed homogeneously and air-free by using a 2- or 4-component paste mixing plant with compulsory mixer. The mixing ratio is 1:1. For keeping the mixing ratio accurate as well as for ecological reasons the recipients have to be completely emptied.

Processing: Generally Harz8 is applied manually onto the end of the liner and the surrounding manhole wall by using a piping bag (f.e. a resiBag). Afterwards the first layer of resin has to be worked into the surface manually with circular movements (Wear epoxy resistant gloves!). Further layers are also added using resiBags and can be smoothed with a spatula.

Special advice: The direct contact with UV radiation can cause colour changes. This normally 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 Harz⁸

Base	Epoxy resin
Colour	red
Number of Components	2
Mixing ratio (volume)	resin : hardener = 1 : 1 (volume)
Specific weight (mixture)	≈ 1,65 g/cm ³
Compressive strength on the basis of DIN EN ISO 604	> 45 %
Shore D-hardness on the basis of DIN EN ISO 868	approx. 42
Potlife (at 20°C)	approx. 15 minutes
Curing time (at 10°C)	approx. 45 minutes
Chemical resistance	pH2 to pH12
Cleaning	with resiClean SURFACE (degreasing of the surface) 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.