

FlexyPox



FlexyPox is a flexibilised epoxy resin system based on two components for manual application for bonding movable components.

Fields of application are manhole frame adjustment, the renovation of floating manhole covers, manhole neck coating, the permanently elastic and adhesive sealing of cracks, sleeves and house lead-throughs as well as the bonding of components that are exposed to vibrations or movements due to the effects of cold or heat.

Product features:

- permanently flexible after curing
- high mechanical resistance (f.e. against abrasion)
- excellent adhesion on nearly all moist or dry surfaces
- air-free mixing with paste mixing plant
- easy application
- rapid curing time

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: FlexyPox 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.

Application: Usually FlexyPox is applied manually to the substrate by means of a spatula or trowel and, depending on the area of application, massaged into the substrate manually (see procedure manual).

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 FlexyPox

Base	Epoxy resin
Colour	blue
Number of Components	2
Mixing ratio (volume)	resin : hardener = 1 : 1 (volume)
Specific weight (mixture)	≈ 1,65 g/cm ³
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.