

# resiProtect



**resiProtect** is a two-component epoxy resin system for the corrosion-resistant coating of liners by spraying, brushing or troweling.

**Fields of application** are the creation of a protective coating for attacked liners (GRP and needle felt), corrosion protection for pipelines, protective coating for components in the waste water industry, etc.

## Product features:

- High mechanical strength in the cured state
- High chemical resistance, e.g. to biogenic sulphuric acid
- Very good adhesion to almost all damp and dry substrates
- After curing physiologically and ecologically harmless

## 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/mm<sup>2</sup>.

**Mixing:** resiProtect resin and hardener are supplied in quantitatively matched containers. Both components are to be mixed homogeneously with each other using a slow-running mechanical stirrer with a disc stirrer. The minimum mixing time is two minutes. Complete emptying of the containers is essential to maintain the mixing ratio and for ecological reasons.

**Application:** Usually resiProtect is applied manually to the substrate with a brush, roller or spatula. If a coordinated technique is used, application by spraying is also possible. The material should be applied in such a way that a minimum layer thickness of 1 mm is achieved. A wet-on-wet overcoat is recommended.

**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 **resiProtect**

Base	Epoxy resin
Colour	clear to greenish
Number of components	2
Mixing ratio	resin : hardener = 3 : 1 (volume)
Specific weight (mixture)	≈ 1,25 g/cm <sup>3</sup>
Chemical resistance	pH2 to pH12
Pot life (at 20 °C)	approx. 35 minutes
Curing time (at 10 °C)	approx. 8 hours
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.