

resiFill



resiFill is a two-component polyurethane foam resin for elastic bonding, filling, sealing and grouting.

Fields of application are the pre-rehabilitation of side inlets, the quick sealing of defective pipes in case of water ingress as well as the elastic sealing and filling of joints, cracks and large cavities in civil and structural engineering.

Product features:

- always foaming
- increase in volume by at least a factor of 10
- suitable for heavy water ingress and large cavities
- simple application
- cures very quickly after mixing
- physiologically harmless (after curing)

Processing information:

Substrate preparation: Before using the product, the substrate must be examined in accordance with the state and rule of the art and an injection concept must be drawn up. The substrate must be clean and free from all loose particles, dust, oil, grease or other separating substances. It can be dry or damp. It must be load-bearing and have the generally required tear strength of 1.5 N/mm².

Mixing: resiFill resin and hardener components are supplied in matched quantities in double cartridges and are force-mixed using an injection gun (e.g. resiGun) via a static mixer (e.g. via the optionally available type Quadra medium with bayonet lock). Complete emptying of the containers is required for ecological reasons.

Processing: Usually resiFill is applied manually into the damaged area by means of a squeeze gun (e.g. resiGun). The curing time is approx. 5 minutes at 20 °C. Within the pot life, the tools can be cleaned with resiClean or an equivalent cleaner. After curing, cleaning with resiClean EPOXYKILLER is possible. Make absolutely sure that there is good ventilation, as CO₂ is released! Wear protective goggles!

Safety instructions: Please observe the hazard information and safety advice on the labels and safety data sheets!

Technical characteristics of **resiFill**

Base	Polyurethane
Colour	yellowish brown
Number of components	2
Mixing ratio	resin : hardener = 1 : 1
Specific weight (mixture)	≈ 1,15 g/cm ³
Pot life (at 20 °C)	approx. 10 seconds
Curing time (at 10 °C)	approx. 5 minutes
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.