Konudur Robopox 18

Epoxy resin filler for the repair of cracks and out-breaks in non accessible sewers with robotics

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Stable, mechanically processsable two-component epoxy resin filler Resistant to wastewater and highly resistant to chemicals Adhesion on dry, slightly damp and moist mineral substrates Adhesion on GRP-laminates
- Self-stable even in overhead areas
- Suitable for scraping with robot technology

AREAS OF APPLICATION

- Filling / Plugging of cracks and break-outs in sewers and waste water areas
- Filling / Pluggin of gaps at pipe couplings in sewer pipes
- Repair and embedding of intakes / unions of concrete and ceramics in sewers by means of PE-shuttering technology

APPLICATION ADVICE

Substrate Preparation: See data sheet „General Application Advice for robotic based sewer rehabilitation“. The sustrate may be dry, slightly damp or moist. Standing water is not permitted.

Mixing: Konudur Robopox 18 is supplied in pre-packed quantities. Base (comp. A) and hardener component
(comp. B) are mixed thoroughly using slowly running mixers (200 – 400 rpm) until homogeneous and lump-free and a homogeneous color is given. Packs must be emptied completely to meet the indicated mixing ratio and for environmental reasons. Mixing by hands or mixing of partial quantities is only permitted, if scales with a surveying precisions of 1 g are used for weighing the single components.

Application (filling): After mixing the resin, Konudur Robopox 18 must be filled into the robot's storage container and transported to the damaged area. Depending on the technical equipment of the robot, Konudur Robopox 18 is then inserted into the damaged area and immediately reworked using a rubber trowel.

Finishing / Back to service time: The resistance to water contact / back to service time of Konudur Robopox 18 depends on material, substrate and air temperature. To double check curing process, a retain sample of the resin might be placed in the bottom oft he manhole, wehre the robot entered the sewer. Post-pocessing of filled area is normally not necassary. Overlapping material residuals can be removed using suitable milling or brushing robots.

Application (injection): Konudur Robopox 18 may be used for injektion, too. Please request our special support in these cases.

Equipment cleaning: Within the pot life all equipment may be cleaned wit MC-Reiniger U (MC-Cleaner U). Partially or completely cured material can only be removed nechanically.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	2 : 1	comp. A : comp. B
	parts by volume	2 : 1	base component : hardener component
Density	kg/l	approx. 1.3	
Working time	minutes	approx. 30	
Application conditions	°C	≥ 8 ≤ 30	air and substrate temperatures
		≥ 15 ≤ 30	material temperature
Consumption [1)]		approx. 1.3	
Tensile strength (concrete, wet)	N/mm²	≥ 2.4	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

1) Consumption quantities are object-specific and depend on the storage, application and substrate temperature. Preliminary tests are recommended to determine object-specific consumption quantities.

Equipment cleaning agent	MC-Reinigungsmittel U
Colour	green
Delivery form	Packing pair à 2,8 l 4 x 2.8 l container pair per carton 12 x 0.5 l tubular bags per carton (comp. A+B packed separately)
Storage	Can be stored in original sealed packages at temperatures between 8°C and 20°C in dry conditions for at least 12 months.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : RE30

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