Konudur 250 OM-PL Winterharz

Organic-mineral resinfor rehabilitation with short liners

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Low-viscosity, two-component organic-mineral resin
- Short form work times
- Good adhesion to concrete, brick and ceramics
- Can be applied to dry and moist mineral substrates
- System components with DIBt approval Z-42.3-391 (Konudur LM-Liner short lining method)

AREAS OF APPLICATION

- Impregnation and fulling of E-CR glass fibre for rehabilitation of short liners
- No-dig repair of defective sewer pipes and ducts
- Repair methods for underground sewer pipes and ducts
- Rehabilitation and connection of lateral ducts with hat profiles
- REACH-assessed exposure scenarios: periodical inhalation, application, long-term water-contact

APPLICATION ADVICE

Substrate Preparation: See the data sheet “General Application Advice for short liner systems”.

Mixing: See the data sheet “General Application Advice for short liner systems”. The organic-mineral resin Konudur 250 OM-PL Winterharz consists of component A and component B. The two components must be carefully mixed to a uniform consistency using a slow-running mechanical stirrer or a suita-ble static mixer. Mixing by hand is not allowed. Mixing takes at least 3 minutes.

Mixing ratio: See the “Technical values & product characteristics” table. The base and hardener components are supplied in packs containing proportionate amounts. Partial quantities are to be mixed in mixing ratio (p.b.v.) 1 : 2 (A : B).

Application: See the data sheet “General Application Advice for short liner systems”.

Curing / release: See the data sheet “General Application Advice for short liner systems”. For curing / release, see the data in the “Technical values & product characteristics” table.

Application with hat profiles: Under certain conditions, Konudur 250 OM-PL winter resin can also be used for the renovation of lateral ducts by means of hat profiles. Please request our separate technical advice for this.

General Information: The stated times are shortened by high temperatures and increased by low temperatures. A 10 K temperature change doubles or halves the stated times. See also the data sheet “General Application Advice for short liner systems”.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	parts by volume	1 : 2	comp. A : comp. B
Density	kg/l	approx. 1.47	component A
		approx. 1.12	component B
		approx. 1.24	mixture
Working time	minutes	approx. 26	at 10°C material and ambient temperature
		approx. 12	at 20°C material and ambient temperature
Application conditions	°C	≥ 5 ≤ 20	air and substrate temperatures
		≥ 10 ≤ 15	material temperature
Viscosity	mPa·s	approx. 200 - 320	component A
		approx. 360 - 480	component B
Minimum full curing time	minutes		of the impregnated 3 mm ECR glass fibre complex until installation pressure can be released
		approx. 120	at 10° C
		approx. 35	at 20° C
Compressive strength [1)]	N/mm²	≥ 25	EN ISO 604
Tensile strength	N/mm²	≥ 9	EN ISO 527-4
Resilient after (full)	days	approx. 7	
	All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.		

1) pure resin values

Equipment cleaning agent	MC-Reinigungsmittel U
Colour shade	Beige
Delivery form	Pair of 30 l containers
Storage	Can be stored in original sealed packages at temperatures between 5°C and 25°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 : PU40

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