



Konudur 250 OM-PL (Winterharz)

Organic-mineral resin
for rehabilitation with short liners

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
- 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 is made up of a base component (component A) and a hardener component (component B). The two components must be carefully mixed to a uniform consistency using a slow-running mechanical stirrer or a suitable static mixer. Mixing by hand is not allowed. Mixing takes at least 3 minutes.

Mixing ratio

See the "Technical Data" 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 Data" table.

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".

Safety Advice

Observe the hazard notices and safety advice on the labels and safety data sheets.
GISCODE: PU40



Technical Data of Konudur 250 OM-PL (Winterharz)

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.v.	1 : 2	component A : component B
Specific gravity	kg/l	approx. 1.47 approx. 1.12 approx. 1.24	component A component B mixture
Application conditions	°C	+ 5 to + 20 + 10 to + 15	air and substrate temperature material temperature
Viscosity	mPa·s	approx. 260 ± 60 approx. 420 ± 60	component A component B
Pot life (200 g mix)	min	approx. 26 approx. 12	at + 10 °C at + 20 °C material and ambient temperature
Minimum curing time of the impregnated E-CR glass fibre (3 mm) before the positioning pressure can be removed**	min	approx. 120 approx. 35	at + 10 °C at + 20 °C material and ambient temperature
Compressive strength***	MPa	≥ 25	DIN EN ISO 604
Tensile strength***	MPa	≥ 9	DIN EN ISO 527-4
Can take full chemical and mechanical load after	d	approx. 7	

Product Characteristics of Konudur 250 OM-PL (Winterharz)

Colour	beige
Form of Delivery	30 l twin-packs
Equipment Cleaner	MC-Reinigungsmittel U (MC-Cleaner U)
Storage	If tightly sealed, the original packs can be stored for at least 12 months at temperatures between + 5 °C and + 25 °C in dry conditions. The same requirements apply to transport.
Pack disposal	Make sure the pack is completely empty.

* Unless otherwise stated, all technical data were determined at + 23 °C and 50 % relative air humidity.

** without groundwater pressure or temperature effects

*** data for pure resin

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 10/17. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.