

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
- 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 suitable 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”.

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 approx. 1.12 approx. 1.24	component A component B mixture
Working time	minutes	approx. 26 approx. 12	at 10° C material and ambient temperature at 20° C material and ambient temperature
Application conditions	°C	≥ 5 ≤ 20 ≥ 10 ≤ 15	air and substrate temperatures material temperature
Viscosity	mPa · s	approx. 200 - 320 approx. 360 - 480	component A component B
Minimum full curing time	minutes	approx. 120 approx. 35	of the impregnated 3 mm ECR glass fibre complex until installation pressure can be released at 10° C at 20 °C
Compressive strength ¹⁾	N/mm ²	≥ 25	EN ISO 604
Tensile strength	N/mm ²	≥ 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	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

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2400020579]