

● pmt winter resin

Two-component organic-mineral resin for impregnation of glass fibre laminates and hoses for the partly repair of sewer pipes

Properties

- High resistance against acids and lyes
- Also suitable for moist and mineral substrates
- Good adhesion to concrete, bricks and ceramic
- Physiologically harmless (after curing)
- Short dismantling times

Areas of application

- Impregnation and deep penetration of polyester-felt hoses- and glass-fibre-reinforcement-textures
- Repair of defect pipes and ducts
- Water ex- and infiltration, cracks, root damages etc.

Application

Substrate preparation

The substrate must be clean and free from all loose particles, dust, oil, grease or other contaminants. It may be dry or moist, but not saturated with water. The minimum concrete compressive strength should be $> 25 \text{ N/mm}^2$. A substrate pull-off strength of $> 1.5 \text{ N/mm}^2$ is required.

Mixing

Before mixing both components must be tempered to approx. 10 to 15° C. Base and hardener component, which are supplied in pre-batched packs, are to be mixed thoroughly (3 min.) until homogeneous using slowly rotating mechanical mixers. The containers of both components should be emptied for reasons of environment and in order to comply with the mixing ratio.

Application

Application of pmt winterresin is carried out by impregnation or deep penetration method. The textures and felts to be impregnated must be dry. If dampness is present, a suitable bond of the fibres will not be achieved. This may lead to a lower strength of the liner or to deficiencies in hardening.

Technical data for pmt winter resin

(Technical values refer to + 20° C and 50 % relative humidity)

Characteristic	Unit	Value	Annotations
Density component A	g / cm ³	1.48	at 23° C and 50 % rel. humidity
Density component B		1.18	
Density of mixture		1.28	
E-Modulus (glass fibre reinf.)	N/mm ²	approx. 8.800	at 23° C and 50% rel. humidity
Viscosity of mixture at +23° C	mPa.s	approx. 1800	at 23° C and 50 % rel. humidity
Mixing ratio	parts by volume	1 : 2	component A : component B
Pot life	min.	approx. 16	at 23° C and 50 % rel. humidity
Hardening time	min.	approx. 120	at 23° C and 50 % rel. humidity
Tack free time	min.	approx. 95	at 23° C and 50 % rel. humidity
Flexural strength	N/mm ²	approx. 50,0	at 23° C and 50 % rel. humidity
Coverage		Normally 0,9 l / mm texture thickness / m ²	depending on density and thickness of the used texture or felt
Application temperature	°C	+5° to +20° C	air- and substrate temperature

Product Characteristics for pmt winter resin

Colour	beige		
Cleaning agen.			
Delivery	30 l packs		
Storage	Can be stored in original sealed packages at temperatures between + 5° C and + 20° C in dry conditions for at least 6 months. The same requirements are valid for transport.		
Disposal	Packs must be emptied completely.		

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information leaflets.

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 11 / 2004 pc 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. E-Modulus (glass fibre reinf.) N/mm² approx. 8.800 at 23° C and 50 % rel. humidity