

EPO 9100

LAMINATING EPOXY SYSTEM T_g 65°C

DESCRIPTION

Laminating of felt for the reinforcement and replacement of pipes.

PROPERTIES

- Low exothermy
- Long pot life
- Good adhesion on vertical support
- Good thermal and mechanical resistance

PHYSICAL PROPERTIES				
Composition		RESIN	HARDENER	MIXED
Mix ratio by weight		100	22	
Mix ratio by volume at 25°C		100	32	
Aspect		liquid	liquid	liquid
Colour		ochre	blue	green
Viscosity				
- 5°C	BROOKFIELD LVT	-	-	5,100
- 20)c		-	-	1,100
- 25°C (mPa.s)		2,500	50	750
Specific gravity at 25°C (g/cm ³)	ISO 1675 : 1985	1.38	0.94	-
Specific gravity of cured product at 23°C	ISO 2781 : 1996	-	-	1.36
Pot life at 25°C on 500 g (hr)	Gel Timer TECAM			6

MECHANICAL AND THERMAL PROPERTIES (1)			
Flexural modulus	ISO 178 : 2001	MPa	3,500
Flexural strength	ISO 11359 : 2002	MPa	90
Tensile modulus	ISO 527 : 1993	MPa	4,200
Tensile strength	ISO 527 : 1993	MPa	55
Elongation at break	ISO 527 : 1993	%	3.5
Glass transition temperature (tg)	ISO 11359 : 2002	°C	65
Hardness	ISO 868 : 2003	D Shore	85

(1) : Average values obtained on standard specimens of pure resin (without reinforcements) / Hardening 3 hr at 100°C

PROCESSING CONDITIONS

Before use, rehomogenize the filled resin. After mixing according to the indicated ratio, impregnate the reinforcement (felt...). It is recommended to cure the product for 3 hr at 80°C, to obtain the temperature resistance and high mechanical properties.

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HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products :

- Ensure good ventilation
- Wear gloves, safety glasses and waterproof clothes.

For further information, please consult the product safety data sheet.

STORAGE CONDITIONS

Shelf life of both parts is 12 months in a dry place and in their original unopened containers at a temperature between 15 and 25°C.

Any open can must be tightly closed under dry nitrogen.

PACKAGING

RESIN 1 x 20 kg	HARDENER 1 x 4.4 kg
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GUARANTEE

The information contained in this technical data sheet result from research and tests conducted in our Laboratories under precise conditions. It is the responsibility of the user to determine the suitability of RENOLINE products, under their own conditions before commencing with the proposed application. RENOLINE guarantee the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. RENOLINE disclaim all responsibility for damage from any incident which results from the use of these products. The responsibility of RENOLINE is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.