

# EPO 9052 / 9052 BE

LAMINATING EPOXY SYSTEM  
ROOM TEMPERATURE POLYMERIZATION

## DESCRIPTION

Laminating [ f felt for c@ 'reinforcement and 'replacement [ f ve'itcal a} d/or ~ nderground pi] es with  
a polymerization without heating.

## CHARACTERISTICS

- Room temperature polymerization
- Easy impregnation

PHYSICAL PROPERTIES				
		RESIN EPO 9052	HARDENER EPO 9052 BE	MIXED
Mix ratio by weight		100	46	
Mix ratio by volume at 25°C		100	50	
Aspect		liquid liquid		liquid
Colour		transparent blue		Blue
Viscosity (mPa.s) 25°C	BROOKFIELD LVT	1450 500		1000
Specific gravity at 25°C	ISO 1675 : 1985	1.16	1.06	-
Specific gravity of cured product at 23°C	ISO 2781 : 1996	-	-	1.16
Pot life at 25°C on 120g (min)	TECAM			20

MECHANICAL AND THERMAL PROPERTIES (1)			
Hardness	ISO 868 : 2003	Shore D1	87
Glass transition temperature (Tg)	ISO 11357 : 2002	°C 75	
Flexural modulus	ISO 178 : 2001	MPa 3350	
Flexural strength	ISO 178 : 2001	MPa 135	

(1) Average values obtained on standard specimens of pure resin (without reinforcements) /  
Hardening 16 hours at 80°C.

## PROCESSING CONDITIONS

After mixing according to the indicated ratio, impregnate the reinforcement (polyester felt...). In order to ensure a good impregnation, it is preferable to use the product stocked at a temperature higher than 15°C.

Physical properties are guaranteed for a room temperature range between 18°C and 25°C.

Apart from this temperature range, viscosity and reactivity variations will be noticed.

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Maximal polymerization time:

Temperature	7°C	18°C	25°C
On 4-5 mm polyester felt	< 18h	< 4h	< 150 min
On 2 mm pure resin	< 24h	< 5h	< 200 min

## 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 24 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 and inert gas (nitrogen, etc).**

Under 10°C, crystallization can occur with a reversible possibility by heating at 60°C.

## PACKAGING

	<b>RESIN</b>	<b>HARDENER</b>
	1 x 8 kg	1 x 3.7 kg
	1 x 15 kg	1 x 6.1 kg

## 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.