

Epoxy Resin System Cured In-Place Pipe Rehabilitation

DESCRIPTION

EPO 9204 is an epoxy resin designed to provide a tough, flexible barrier liner in services at temperature up to about 50°C. The maximum operating pressure depends on the size of cracks and the conditions of the original pipe.

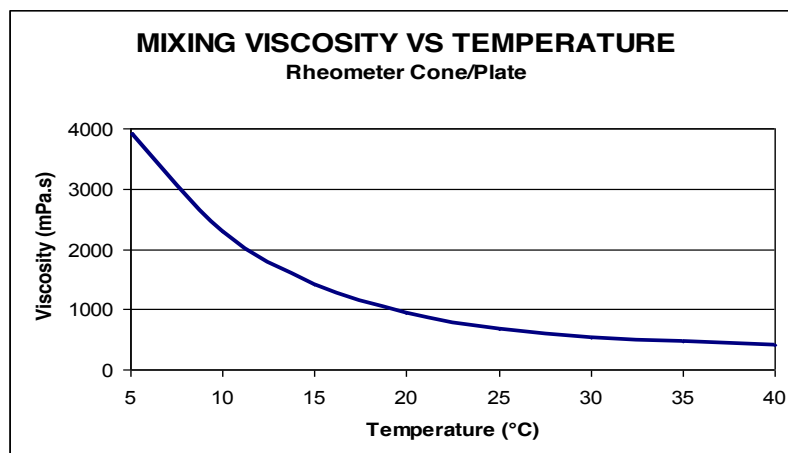
PROPERTIES

- Good physical strengths
- Low shrinkage on cure
- Fast cure with controlled exotherm
- Good adhesion

PROCESSING CONDITIONS

After mixing according to the indicated ratio, impregnate the reinforcement (felt...). It is recommended to cure the product for minimum 2 hours at 50°C.

TYPICAL HANDLING PROPERTIES				
Composition		RESIN	HARDENER	MIXED
Mix ratio by weight		100	33	
Mix ratio by volume at 25°C		100	40	
Aspect	-	liquid	liquid	liquid
Colour	-	light amber	amber	amber
Viscosity at 25°C (mPa.s)	BROOKFIELD LVT	2,400	40	500
Specific gravity at 25°C (g/cm ³)	ISO 1675 : 1985	1.16	0.97	1.10
Pot life at 25°C on 500 g (min)	Gel Timer TECAM			95
Sensitivity to water during cure	-			low



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MECHANICAL & THERMAL PROPERTIES of NEAT RESIN at 23°C (1)				
Curing conditions			2hrs at 50°C	3hrs at 80°C
Tensile modulus	ISO 527 : 1993	MPa	3,000	3,000
Tensile strength	ISO 527 : 1993	MPa	45	65
Elongation at break	ISO 527 : 1993	%	2.0	6.7
Flexural modulus	ISO 178 : 2001	MPa	2,400	2,250
Flexural strength	ISO 178 : 2001	MPa	80	95
Deflection temperature (HDT)	ISO 75 : 2004	°C	48	70

(1) : Average values obtained on standard specimens

STORAGE CONDITIONS

Shelf life is 24 months for resin and 12 months for hardener in a dry place and in their original unopened containers at a temperature between 15 and 35°C.

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.

PACKAGING

RESIN

- 13.2 kg (approx. 11.4 Litres)
- 202 kg

HARDENER

- 4.4 kg (approx. 4.6 litres)
- 200 kg

MIXED

17.6 kg (approx. 16 litres)

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 AXSON products, under their own conditions before commencing with the proposed application. AXSON guarantee the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.