

H180 FAST EPOXY HARDENER

Description:

- ❖ Amine adduct for use with R180 Epoxy Resin for laminating systems.

Application Data:

Specific Gravity	0.975Kg/litre
Amine Eqv wt H	38
Colour(Gardener)	7 max
Min application	15°C 550 micron, wet film build

Specification:

Viscosity 20°C	1000-200cps
Mixing ratio Wt or Vol	100 parts R180 to 20 parts H180 Fast
Pot life 100 gram 20°C	15-20 minutes

Typical Properties:

100 parts R180: 20 parts H180F by weight	
Flexural properties ASTM D695-91	14 days @ 20°C
80mm span: Elastic Modulus	
Tangent Elastic Modulus	3000 Mpa
Modulus of Rupture	90 Mpa
Compression to ASTM D695-91	
Elastic Modulus	1300 Mpa
Compressive Stress	86 Mpa
Yield Offset	79 Mpa
Offset Yield %	6.2%

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	Ambient	+4 hr @ 80°C
H.D.T. ASTM D695 91	49°C	58°C
Expansion ASTM D696mm/mm/°C	90x10	60x10
Glass Transition temp (TG)	52°C	59°C
Expansion past TG mm/mm/°C		180x10

Precautions:

High atmospheric humidity or drops in temperature around dew point may result in condensation on the uncured film causing changes in the film surface as a result of hydration. This effect may cause less of intercoat adhesion. In these conditions good adhesion may be obtained by re-roughening the surface.

Important Note:

The specifications listed above are given to the best of our knowledge, however without any warranty expressed or implied. The specification is subject to change without notice. QUALITY CONTROL REPORTS are available for each batch for actual results. Consult MATERIAL SAFETY DATA SHEET for handling of material.

