

Ivory Matrix L.R. High Performance Laminating Epoxy

PRODUCT DATA SHEET

Description

Ivory Matrix L.R. Epoxy is a high performance laminating epoxy designed for applications requiring high physical and mechanical performance. Suitable for "post-cure" applications.

Uses

- Composite manufacture
- Yacht & boat building
- High performance skies
- Tank linings

Mixing and application

Combine epoxy and activator in the correct ratios by weight or volume and mix thoroughly. Transfer to a roller pan and apply directly into the glass fabric.

Curing

- Avoid use below 8°C.
- Optimum properties are obtained with post cure.

Wash up

Epoxy Thinners

Health and safety

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheet available from Flowcrete on request and sent with each delivery.

Properties

Flexural Modulus	113mPa	
HD	DIN53457	3.3Gpa
No of components:	2	
Mix Ratio: Weight	114: 33	
Volume	3: 1	
SG Epoxy:	1.14	
Mix Viscosity:	600cps	
Gel Time 200g @ 25°C:	65 min	
1000g @ 25°C:	45 min	
Thin film gel time (1mm):	3 hours	

Properties without reinforcement

Tensile Strength:	55mPa
Tensile Elongation:	4%
Tensile Modulus:	3.3Gpa
Flexural Strength:	92.0mPa
Flexural Modulus:	3.7Gpa
HDT without post cure:	55°C
HDT with 12 hrs 50°C:	80°C

Properties with postcure 12 hours at 50°C

Tensile Strength	DIN53455	73mPa
Tensile Elongation	DIN53455	4%
Tensile Modulus	DIN53457	3.7Gpa
Flexural Strength	DIN53452	

Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request