

Ivory Matrix L.R High Performance Laminating Epoxy

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.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

No of components:	2
Mix Ratio: Weight	114: 33
Volume	3: 1
SG Epoxy:	1.14
Mix Viscosity:	600cps
Gel Time 1200g @ 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

Flowcrete SA (Pty) Ltd
176 Voortrekker Street
Jacobs
Durban
Kwa Zulu Natal
Tel: +27 31 461 3411
Fax: +27 31 461 3475

Flowcrete SA (Pty) Ltd
47 Forge Road
Spartan
Gauteng
Tel: +27 11 394 1980
Fax: +27 11 394 3003

Flowcrete SA (Pty) Ltd
1A Gabriel place
Cnr Gabriel & Main Road
Plumstead
Cape Town
Tel: +27 21 797 0214
Fax: +27 21 761 6664

Email: southafrica@flowcrete.com
Flowcrete SA (Pty) Ltd is a subsidiary of Flowcrete Group plc