



Composite & Advanced Material

EPOXY MEDIUM CURE

DP101/319 Epoxy

Multipurpose Epoxy Resin

GENERAL DESCRIPTION

An all purpose system suitable for wood/epoxy applications, g.r.p laminating, repairs, coating and fairing. This will result in good impact resistance, hardness and elongation. Can be readily modified with filler powders (glass bubbles, colloidal silica, micro balloons, talc) to enhance it's use as a filler and adhesive. Can be used for clear lamination of surfboards, sailboards and paddleskis. Thin film cure times are 4 hours for 250 micron thickness on a clean substrate.

Maximum properties may be achieved by post curing

- 2 Days @ 25 Deg C
- 4 Hours @ 40 Deg C
- 2 Hours @ 60 Deg C

THE MOST IMPORTANT FEATURES ARE:

- Clear weather resistant coating
- Medium cure hardner
- Curing at Room Temperature
- Easy Mixing Ratios
- Good wood penetration

PROCESSING TECHNIQUES:

- Hand Lay Up
- Brush on
- Vacuum Bagging
- Floor coatings

APPLICATION:

- GRP Laminating



TECHNICAL DATA:

• Mixing ratio (Parts by weight)	100 : 25
• Mixing ratio (Parts by volume)	15 : 4
• Gel Time 0.5 kg/min	25 – 35 min
• Flexural Strength N/mm ²	250 – 280
• Deflection Temperature deg C	75 – 85
• Thin film set time hrs	0.1 – 0.2

Storage: Six months from date of manufacture if kept in closed opaque containers at 20 – 25 Deg C.

