

PRO-SET®

Technical Data

TLG-625-R

TLG-625-H

LOW DENSITY

FAIRING PUTTY

COMBINED FEATURES

The New
Standard

EPOXIES for
Laminating
Infusion
Tooling
Assembly

Wessex Resins & Adhesives

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ISO9001:2015 Certified

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& Adhesives

Low density epoxy fairing putty is designed for filling and fairing applications in custom building or repair situations.

Pre-thickened system to allow for easier mixing and smooth spreading. It is not necessary to add fillers to this combination.

Medium cure speed hardener provides approximately 90 minutes of working time at 22°C.

Coverage 6.4 litres of mix will cover 1m² at 6mm thickness.

Low shrinkage epoxy chemistry allows for applications up to 12mm thick. Additional application is necessary to fill deeper voids.

Easy to sand low density epoxy can easily be sanded to achieve a desired contour.

Room temperature cure properties suitable for many composite plugs and moulds.

Cost effective, high performance epoxy formulation for synthetic composite manufacturing.

HANDLING PROPERTIES

Property	Standard	Units	18°C	22°C	29°C
150g Pot Life	ASTM D2471	minutes	85	35	30
500g Pot Life	ASTM D2471	minutes	60	30	27
Viscosity Mixed	ASTM D2196	mPas	Paste	Paste	Paste

MIX RATIO

Method	Resin:Hardener	Resin:Hardener
Weight	1.79:1	100:56
Volume	1:1	100:100

DENSITY

State	Units	21°C
Mixed	gcm ⁻³	0.64

APPLICATION PROPERTIES

Property	Temperature	Units	Value
Cure time to sand in 6mm thickness	21°C	hours	8
	32°C	hours	4

MECHANICAL PROPERTIES

Property	Standard	Units	25°C x 2 wk
Hardness	ASTM D2240	Type D	62
Compression Yield	ASTM D695	MPa	23

THERMAL PROPERTIES

Property	Standard	Units	25°C x 2 wk
Heat Deflection Temperature	ASTM E1357	°C	47

THERMAL PROPERTIES

Mixing of low density epoxy fairing putty requires a folding motion on a flat surface due to the paste-like consistency. If mixing by hand, allow a 10 minute induction time for thixotropic recovery before application. Ensure there are no streaks of colour when applying, this is a sign of inadequate mixing. Mix only as much as can be applied within the pot life of the mixture.

Some separation may occur during storage. Stir resin and hardener individually.

Test specimens were neat epoxy (without fibre reinforcement).
Typical values not to be construed as specification.