

# PRO-SET®

## Technical Data

# TLG-625-R

# TLG-625-H

## LOW DENSITY FAIRING PUTTY

### COMBINED FEATURES

**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 1m<sup>2</sup> 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 <sup>-3</sup>	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.

The New  
Standard

EPOXIES for  
Laminating  
Infusion  
Tooling  
Assembly

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