

ARALDITE® SUPER STRENGTH

Description

Araldite Super Strength is a two-part epoxy paste adhesive that bonds with high strength. Initial bonding achieved in 6-8 hours with maximum bond strength after 3 days.

Uses

The high strength achieved by Araldite Super Strength is ideal for tasks that require excellent strength and durability. Araldite Super Strength has excellent adhesion to a broad range of surfaces such as ceramics, glass, most rigid plastics, metals, most timber and fabric.



Technical Features

- ▶ Bonds a variety of surfaces in common use
- ▶ High shear and peel strength
- ▶ Dries Clear
- ▶ Very high water and weather resistance
- ▶ Forms a rigid, durable bond
- ▶ Gap filling
- ▶ Good chemical resistance
- ▶ Heat Resistant

Application Tips

For faster bond time or excellent clarity use Araldite Ultra Clear adhesive.

Heating the bond to between 40°C and 100°C while curing can increase the cure rate and final strength of Araldite Super Strength.

- ▶ Not suitable for bonding plastics such as Polypropylene and Polyethylene or for use on polystyrene
Note: Polypropylene and polyethylene are used in many household articles, e.g. toys.

*To identify these plastics: Cut a sliver from an inconspicuous part.

Hold with tweezers and burn sliver.

Thermoplastics burn with a blue flame and emit an odour like a candle.

- ▶ Bond strength weakens above 100°C but strength is regained when temperature drops

Technical Details and Performance

Indicative information only, not to be used for setting specifications.

Part A	▶ 910mL/L Liquid Epoxy Resin
Part B	▶ Hardener; 900mL/L Tertiary Amines
Mix ratio 1:1 (±5% max variation or cure affected)	
Working Time	▶ 2 hours
Set Time	▶ 6 - 8 hours
Max Strength	▶ 3 days
Bond Strength (cured for 16 hrs @ 40°C)	▶ 26N/mm ² (MPa) sandblasted aluminium lap shear
Compressive Strength	▶ 46 MPa (16hrs@40°C)
Temp Resistance	▶ 100°C max
Water Resistance	▶ 6% loss in strength after 90 days water immersion at 23°C
Service Temperature	▶ -50°C to +60°C (permanent)
Thermal Conductivity	▶ 0.22 W/mK (Cure: 20min@100°C)
Clean Up	▶ Uncured adhesive can be cleaned up with acetone

PRODUCT CODE	SIZE & PACK TYPE	COLOUR
9300697106384	24mL syringe	Translucent
9300697101396	35mL tube	Translucent
9300697100405	200mL tube	Translucent
9300697101372	1kg tin	Translucent

For additional information including Material Safety Data Sheets visit www.selleys.com.au. To obtain more detailed technical, usage and safety information including Technical Data Sheets phone Selleys on 1300 555 205.

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