

TECHNICAL DATA



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PRODUCT

NovaWeld SignFix 13

Product Description

SignFix 13 is produced in a two-component transparent structural methacrylate adhesive, designed for the bonding of high strength plastic and composite applications. This grade is an advanced liquid composite, which combines shock resistance and toughness from a unique blend of hybrid rubbers, with a high tensile shear strength from an innovative liquid plastic resin. Once bonded this fusion of chemistries achieves an ultra-high strength bond with excellent chemical and environmental resistance.

Typical Applications

SignFix 13 is very versatile and can bond a wide variety of substrates to plastic without the need for surface primers or conditioners. Typical examples shown below:

- Bonding polycarbonate letters in the sign industry.
- Bonding acrylic in POS manufacture.
- Repairing polycarbonate headlights.
- Bonding outdoor lighting lenses and fixtures.
- Assembling electric meter housings and covers.

Instructions For Use

1. Always consult MSDS before using SignFix 13.
2. Carry out surface preparation where required. *
3. Remove cap and attach mixer nozzle.
4. Dispense sufficient adhesive to ensure equal mix.
5. Apply adhesive to one surface and assemble components carefully, clamping if required.
6. It is always easier to remove any excess adhesive prior to cure using a suitable cleaner *
7. Allow the adhesive sufficient time to achieve handling strength before moving or unclamping components.

Properties of Uncured Material

Resin	Methacrylate Blend
Colour	Clear
Appearance	Transparent Liquid
Viscosity Spindle 6 @ 20rpm	10,000 cps
Cure System	Exothermic
Open Time	1-2 Minutes @20°C
Handling Strength	4-5 Minutes@ 20°C

For more info contact Multi Supplies 4U sales team on 01282 930195

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Performance of Cured Material

ASTM D1002 Lapshear	Acrylic Plastic	8.2 Nmm2 **
ASTM D1002 Lapshear	Polycarbonate	12.5 Nmm2 **
Gap Fill	3mm	
Temperature Range	-55°C to 125°C	

**reduction in strength can occur above 150°C*

Packaging

SignFix 13 is available in 25ml, 50ml and 400ml Nylon cartridges for use with a dispensing gun.

Storage & Shelflife

SignFix 13 should be stored unopened in a cool dry location, out of direct sunlight. Stored correctly, this grade can offer a 6-month shelf life from manufacture.

Health and Safety in Use

SignFix 13 is a methacrylate and should not be used without consulting the MSDS, which contains full information regarding the use of this product.

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Disclaimer

The data, information and values contained in this Technical Data Sheet has been obtained by conducting various tests in a controlled laboratory environment, and should be used for guidance purposes only. Although we believe them to be reliable and accurate, users should always conduct their own tests in their specific working conditions to ensure that the product is suitable and effective for use. It is the user's sole responsibility to determine the suitability of the product for the application.

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