

TECHNICAL DATA SHEET

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PRODUCT		NovaWeld SignFix 18		

NovaWeld SignFix 18 is a two component structural methacrylate adhesive, designed for the bonding of high strength metal and composite applications.

NovaWeld SignFix 18 industrial adhesive - ideal for:

Signage: Use for fabrication and installation

Automotive: Bonds carbon fibre body panels. Securely fixes magnets to motor housings

Trailer fabrication: Swift, effective bonding of dissimilar metals

Why NovaWeld SignFix 18?

There's strength and versatility in NovaWeld SignFix 18. The two-component structural adhesive is designed for bonding metals, plastics and composites. And because most surfaces can be bonded without primers (and can be handled in around 5 minutes) your production processes are improved.

How to apply NovaWeld SignFix 1 acrylic adhesive

1. Consult the SignFix 18 material safety data sheet (MSDS) before using for the first time.
2. Carry out surface preparation where required. Contact us for help and advice.
3. Remove cap and attach mixer nozzle.
4. Apply the mixed adhesive to one surface. Assemble components carefully and clamp if required. Take care not to over-tighten – you need to leave some adhesive between the joint.
5. Remove any excess adhesive at this point, before the structural glue starts to cure. Use a suitable cleaner such as [NovaBond Surface Cleaner](#).
6. Allow the adhesive sufficient time to achieve handling strength before moving or unclamping.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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NovaWeld SignFix 18 acrylic adhesive technical information

Typical uncured properties:

Resin	Methyl Methacrylate
Colour	Green/Pink
Viscosity Brookfield T Bar	4,000cps
Mix ratio by weight	1:1
Open time	2-3 mins
Handling time	4-5 mins @ 20°C
Full cure	10-12 mins

Typical cured properties (ASTDM Lapshear):

Steel	27 Nmm2
Aluminum	14 Nmm2
Polycarbonate	12Nmm2 (Substrate Failure)
ABS	8Nmm2 (Substrate Failure)
Temperature Range	-35°C to 180°C

Packaging

NovaWeld SignFix 18 is available in 25ml, 50ml and 400ml Nylon cartridges for use with a dispensing gun.

Storage & Shelflife

NovaWeld SignFix 18 should be stored unopened in a cool dry location, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture.

Click [here](#) to link through to our product range.

Contact Michael Thompson @ michael@innovasolutions.co.uk for more information.

Innova Solutions: bonding people, fixing problems: +44 (0)1282 867 390

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