

TECHNICAL DATA SHEET

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PRODUCT	NovaWeld SignFix 12			

Protect against the elements, and protect the look of the finished product. Choose the clear structural adhesive that delivers uncompromising bond strength without the visible bond lines.

NovaWeld SignFix 12 clear plastic glue - ideal for:

Signage: High impact, high strength bonding of most signmaking materials including metals, plastics and composites. Especially suited to clear acrylics where you need a virtually invisible bond to enhance the visual appeal of your sign.

In almost every conceivable way, NovaWeld SignFix 12 takes the traditional two-part structural adhesive and improves on it with:

- Greater shear, peel and tensile strength for stronger performance under stress
- Impact resistance
- Long lasting bonds
- Clear formulation for a sharper finish

Please note: If you intend to bond different materials for exterior use (eg rimless letters) ensure you choose an adhesive that will compensate for differential expansion. Please call for advice.

How to apply NovaWeld SignFix 12 clear structural adhesive

1. Consult the SignFix material safety data sheet (MSDS) before using for the first time.
2. Carry out surface preparation where required.
3. Remove cap. Repeatedly press the gun trigger until both parts are dispensing **before** attaching mixer nozzle. This ensures you mix equal amounts of adhesive and activator.
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 (working time is 3-5 minutes depending on environmental conditions) before moving or unclamping. Full cure and ultimate bond strength will take 24 hours to achieve.

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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PRODUCT

NovaWeld SignFix 12

NovaWeld SignFix 12 technical information

Properties of Part A and B

Parameter	Part A	Part B
Color	Clear blue	Clear Pink
Viscosity (mPa.s)	19000	18
Density	0,98	0,97
Mix ratio (by volume)	1	1

Adhesive Properties

Cure characteristics at 23°C	
Working time	30 seconds
Gel time	55 seconds
Handling time	3 minutes
Full cure	8 hours

CURED ADHESIVE PROPERTIES (bonding area 175mm,{				
	Without aging		After climatic aging (NF EN ISO 9142)}	
	Tensile stress in Mpa	Failure aspect	Tensile stress in MPa	Failure aspect
Steel	9,5	AF* and CF**	14,3	CF
PMMA	9,9	AF	11,6	SF
PC	8,3	AF	6,4	AF
ABS	7,1	AF	8,2	AF
Glass	10,9	SF*** and CF	10,7	SF and AF

(AF*: Adhesive Failure, CF**: Cohesive Failure, SF***: Substrate Failure}

Hardness (Shore D): 50

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

For more information contact us @ enquiries@innovasolutions.co.uk for more information.

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

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