


TECHNICAL DATA SHEET

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PRODUCT	NovaSol 12000NC			

Product Description

NovaSol 12000NC is a single component structural acrylic adhesive designed to bond cast acrylic sheet with a bond strength that should always outperform the substrate. This ultra high strength is achieved by using a bespoke blend of advanced acrylic polymers which when combined with our non dichloromethane cure system provides a fast bond speed with ultra high clarity.

Advantages and Benefits

Following the growing concern regarding the possible carcinogenic effects of Dichloromethane we have developed a system using an alternate derived from renewable resources (very low environmental impact). This alternate is very safe to use and brings a number of marked improvements to the adhesive system including:

- A faster cure speed and handling strength.
- Improved optical clarity with no amber or blue taint to the cured material.
- A safer to use structural adhesive.

Instructions For Use

1. Always consult MSDS before using NOVASOL 12000NC for the first time.
2. Carry out surface preparation where required on the cast acrylic sheet.*
3. Dispense a line of adhesive and quickly assemble the parts to minimise solvent evaporation.
4. Allow the adhesive sufficient time to achieve handling strength before moving or unclamping components.

Properties of Uncured Material

Resin	Methyl Methacrylate
Colour	Transparent
Appearance	Clear liquid
Viscosity Brookfield T Bar	3,000cps
Handling strength	3 hours @ 200C
Joint machine time	24 Hours

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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Performance of Cured Material

ASTM D1002 Lapshear	Substrate Failure
Gap Fill	0.15 – 0.6mm
Temperature Range	-55 to 1200C

Packaging

500ml Aluminium Flasks.

Storage & Shelflife

NovaSol 12000NC 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.

Health and Safety in Use

NovaSol 12000NC is a methyl methacrylate and should not be used without consulting the MSDS, which contains full information regarding the use of this product, including Transport, Disposal, Toxicological, exposure controls, accidental release and first aid measures essential to the safe use of this product.

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

Contact us @ enquiries@innovasolutions.co.uk for more information.

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