


TECHNICAL DATA SHEET			
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PRODUCT	NovaLite SignFix 9LV		

Description

NovaLite SignFix 9LV is a single component low viscosity light activated 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 that will cure on demand when exposed to visible light.

Advantages and Benefits

Following the growing concern regarding the possible carcinogenic effects of Dichloromethane that is common on many solvent based acrylic systems, we have developed a system that not only does not contain dichloromethane but it cures on demand as well. 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 with cure on demand.
- Improved optical clarity with no amber or blue tint to the cured material.
- A safer to use structural adhesive.

Instructions For Use

1. Clean parts fully and apply adhesive to one of the mating parts.
2. Assemble parts, and position ensuring any bubbles are removed prior to cure.
3. Apply UV/visible light and allow to cure.
4. As the cure rate depends upon lamp intensity, distance from light source, depth of cure needed, bondline gap, and the light transmittance through the substrate itself, it is always advisable to test and assess cure speed prior to production.
5. For guidance, if the gel time under UV exposure = **X** always allow a minimum of **X+2X** for a full cure before moving the parts.

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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Properties of Uncured Material

Resin	Methyl Methacrylate
Colour	Transparent
Appearance	Clear liquid
Viscosity Brookfield T Bar	125cps
Cure System	Visible Light

Performance of Cured Material

ASTM D1002 Lapshear Acrylic	Substrate Failure
Gap Fill	0.15 – 0.6mm
Temperature Range	-55°C to 120°C

Packaging

500g Aluminium Flask.

Storage & Shelflife

NovaLite SignFix 9LV 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

NovaLite SignFix 9LV 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.

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