

## TECHNICAL DATA SHEET

bonding people fixing problems

**INNOVA**  
solutions

TDS No:	<b>069</b>	Issue No:	<b>2</b>
Issue Date:	<b>12/08/15</b>		
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### PRODUCT

**NovaFix SignMate HP**

### Product Description

NovaFix SignMate HP is a double sided high performance bonding tape coated both sides of a tough polyester carrier with a high coatweight of a very aggressive, high shear solvent acrylic adhesive. The tape exhibits excellent bond strength on a variety of substrates and will perform under the harshest environmental conditions when bonding materials with similar rates of expansion and contraction.


### Product Specification

Carrier:	23 Micron Transparent Polyester
Adhesive:	A cross-linked, solvent acrylic with very high tack. The adhesive has very good cohesive strength and the initial bond although very high, reaches an even higher ultimate bond over 12 – 24 hours.
Liner:	Narrow widths up to 100mm: 80µ red OPP siliconised both sides Widths over 150mm: White 115gsm polyethylene coated paper to facilitate cutting.
Application	Developed as a fast, high strength bonding medium for plastic or metal signs hence the nickname SignMate although NovaFix HP is ideal for bonding to wood, laminating flexible and rigid material, fixing point of display material, print finishing and general applications where a strong, thin, flexible tape with high performance is required. The UV, temperature and moisture stability of the adhesive facilitates the use of NovaFix HP for high temperature and exterior applications.
How To Apply:	The surfaces to be bonded should be dry, dust and grease free and thoroughly clean . Avoid touching the exposed adhesive surface of the tape as this impairs the performance. The adhesive used on these tapes are pressure sensitive, so always ensure sufficient pressure is applied to the tape evenly over the whole surface to ensure the best bonding results.

#### 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 Specification (cont'd)

Tape Thickness	0.215mm – 0.225mm (230 micron Tape and Adhesive)		
Coating Thickness (Side A/B)	0.095mm - 0.100mm		
Temperature resistance	-20°C to + 120°C		
Initial Tack (Side A/B) (PSTC-6 #14 Ball)	<5cm		
Holding Power (Side A/B) (PSTC-7)	>24hrs 1kg/2.5cmx2.5cm		
Colour	Clear		
Carrier	23 Micron Polyester		
Liner Type	Red OPP or White PE Coated Paper		
<b>Initial Tack (Side A/B) (PSTC-6 #14 ball)</b>	<b>&lt; 5 cm</b>		
<b>Holding Power (Side A/B) (PSTC-7)</b>	<b>&gt; 24 hrs</b> <b>1 kg/2.5cmx2.5cm</b>		
<b>Holding Power for temperature resistance 60°C (PSTC-7)</b>	<b>&gt; 24 hrs</b> <b>0.5kg/2.5cmx2.5cm</b>		
<b>Adhesion (Side A/B) (PSTC-1)</b>	<b>g/15mm</b>	<b>OZ/0.6in</b>	<b>N/15mm</b>
	<b>&gt;2500</b>	<b>&gt;88.19</b>	<b>&gt;24.4</b>

### Storage

This product should be stored in ambient temperatures of around 20°C, avoiding wide temperature fluctuations and direct sunlight. The storage environment should have a relative humidity of approx. 50%. In ideal storage conditions, the shelf life for this material should be approx. 12 months from the delivery date. Within this period, no major deterioration or alteration of the products performance characteristic will occur.

The values presented in this document have been determined by standard test methods and are average values that should not be used for specification purposes without conducting tests on materials to be bonded.

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