


## TECHNICAL DATA SHEET

 bonding people fixing problems	TDS No:	<b>TD027</b>	Issue No:	<b>1</b>
	Issue Date:	<b>14/07/14</b>		
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<b>PRODUCT</b>	<b>NovaBond XS100C Bonding Tape</b>			

### Product Description

NovaBond SignFix XS 100C is a clear acrylic tape with a red double sided siliconised filmic liner. The product utilises the latest high strength, solvent free technology to satisfy the demanding criteria of the signmaker and other industries requiring critical, consistent and reliable performance whilst being friendly to the environment. The water clear appearance of the product makes it ideal where aesthetics demand a colourless bond line.

### Product Specification

Colour – Clear  
Carrier – Acrylic  
Liner – Red PE  
Thickness – 1mm ( ± 10% )  
Length – 33m  
Standard Roll Dimensions – 12, 19, 25mm  
Logs – 930mm

### Product Benefits

- High tack and initial bond strength improving process efficiency
- Water clear appearance giving an invisible bond line where aesthetics demand.
- Easy release double sided siliconised filmic liner to speed up assembly
- Incredibly high bond strength for peace of mind
- Withstands extremes of temperature, water, most solvents and chemicals, differential expansion and contraction and high forces applied to the bond providing superior durability, longevity and exterior performance
- Please refer to Bonding To Glass Procedure document and use in conjunction with NovaBond Glass Primer for best results on glass.

### Best Practice

Where possible, and aesthetics allow, always abrade the surface to provide a 'key'. This can increase the ultimate bond strength by as much as 35%. Clean with NovaBond Surface Cleaner and prime with the relevant NovaBond Surface Primer. Independent tests at Loughborough University have shown the correct primer to increase the ultimate bond strength by up to 50%.

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**PRODUCT****NovaBond XS100C Bonding Tape****Product Data**

Dynamic Shear* ( Mean Load )	362N ( Surface area 800mm <sup>2</sup> ) Force Applied 45N for 60 seconds Jaw Speed 10mm/minute
180° Peel* ( Mean Load )	33N ( Surface Area 60mm <sup>2</sup> ) Force Applied 20N Jaw Speed 50mm/minute
Tensile Load* ( Mean Load )	68N ( Surface Area 122mm <sup>2</sup> ) Force Applied 45N for 60 seconds Jaw Speed 10mm/minute
Data taken from independent testing commissioned at Joint Testing Services by Dr. Paul Briskham	
Service Temperature	-40°C - 120°C Short Term 150°C
Elongation	>700%
Application Temperature	Minimum 15°C (ideally between 21°C and 40°C ) Relative Humidity 55% ± 10%

For any other advice or on-site consultation, please contact us via our details below or go to our online demonstration video at: - <http://bit.ly/novabond>

<http://www.innovasolutionsonline.co.uk/>

bonding people fixing problems

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