


TECHNICAL DATA SHEET

 <p>bonding people fixing problems</p>	TDS No:	TD191	Issue No:	2
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PRODUCT	NovaBond XS110GP Bonding Tape			

Product Description

NovaBond SignFix XS 110GP is a grey foamed acrylic tape with a white paper 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 firmer acrylic core yields incredible shear and peel strengths and superior holding power. The product is designed primarily for bonding metals and the excellent temperature performance enables bonding prior to the powder coat process.

Product Specification

Colour – Grey
Carrier – Acrylic Foam
Liner – White Paper Liner
Thickness – 1.1mm (± 10%)
Length – 33m
Standard Roll Dimensions – 12, 19, 25mm
Logs – 450mm

Product Benefits

- High tack and initial bond strength improving process efficiency
- 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.
- High temperature performance allows metals to be bonded prior to the powder coat process

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 XS110GP Bonding Tape****Product Data**

Dynamic Shear* (Mean Load)	556N (Surface area 800mm ²) Force Applied 45N for 60 seconds Jaw Speed 10mm/minute
180° Peel* (Mean Load)	68N (Surface Area 60mm ²) Force Applied 20N Jaw Speed 50mm/minute
Tensile Load* (Mean Load)	69N (Surface Area 122mm ²) 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 - +200°C Short Term 200°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/>

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