

Technical Datasheet Bondfix VHB Ultra High Temperature

Product Description

The **Bondchem VHB Ultra High Temp** is an advanced tape system specifically targeting the bonding of bare metals prior to the powder coating processes. This tape is a heavy duty acrylic pressure sensitive adhesive capable of operating at the high temperatures of 200°C+.

On textured or uneven surfaces, powder coating, temperatures of up to 260°C, exposed to full sunlight or chemicals **Bondfix VHB** is the tape of choice.

Product Benefits

- High tack and initial bond strength improving process efficiency.
- Easy release double sided siliconised liner to speed up assembly.
- 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.

Instructions For Use

- Always consult MSDS before using the **Bondfix VHB** for the first time.
- For optimum bond strength apply in temperature between 21 and 40°C (minimum 15°C).
- Carry out surface preparation and abrade where possible.
- Clean surface with IPA wipe and apply primer.
- Align the parts to be bonded.
- With firm pressure, apply tape to one of the surfaces to be bonded.
- Using a roller will allow the double sided acrylic tape to wet out and reach ultimate bond strength more quickly.
- Apply firm pressure to the bond with the roller.
- Ultimate bond strength will be achieved in 72 hours.

Product Specification

Carrier	Acrylic Foam
Colour	Black
Liner	Red PE
Thickness	1.1mm
Length	33mtr
Standard Roll Width	12mm 19mm & 25mm
Full Log Width	450mm

Performance of Cured Material

Dynamic Shear	67N/cm ² (200mm/min)
90° Peel	Steel 32N/25mm
Service Temp	Short term (mins/hrs) 230°C Long term (days+) 120°C
Temp Resistance D3654	From -40°C to +150°C (long term) 260°C+ (short term) Area of 6.25cm ² with 1kg load @ 150°C for 10,000 minutes