

Code	Description	Size	Colour
11711	Gator VHB Acrylic Double Sided Tape	12mm x 1.00mm x 33m	Clear
11714	Gator VHB Acrylic Double Sided Tape	12mm x 0.50 mm x 33m	Clear

1. Description

Gator VHB Acrylic Double Sided Tape has superior adhesion and a high bond strength. Used for common framing substrates and lightweight vehicle attachments.

2. Characteristics

- Super Clarity
- UV & Weather Resistance
- Super Strong
- ROHS Compliant
- Excellent temperature Resistance
- Excellent Solvent & Chemical Resistance

3. Technical Data

Type:	Acrylic Adhesive
Form:	Foamed Acrylic Technology – Solid Form
Thickness:	1.00 mm (tolerance ±10%)
Density:	1000 kg/m ³
UHB Curing Time Guide:	20min – 50% 1 hour – 75% 1 day – 90% 3 day – 100%
Adhesion to Steel: <i>180° Peel Adhesion Power Test - bond at room temperature & test after 2 hours.</i>	Normal 1400 gf/10mm High Temp 1600 gf/10mm Initial 1100 gf/10mm Low Temp 900 gf/10mm Speed: 300+/- 10mm/min Tape Width: 10mm Backing: 25 micron polyester film
Share Static: <i>Measured at various temperatures & gram loadings on stainless steel. 3.22 cm² overlap. Holding a load for 7 days</i>	Temperature Load Result 23°C 1000g OK 93°C 500g OK
Dynamic Shear: <i>Measurement of the bonding load at room temperature - after 2 hours. Speed: 200+/- 10mm/min Tape Width: 10mm x 10mm Backing: 75 micron polyester film</i>	Normal 5.8 kgf/cm ² High Temp 6.2 kgf/cm ² Initial 5.3 kg./cm ² Low Temp 5.1 kgf/cm ²
Temperature Resistance: <i>Temperature measurement bonding tape at room temperature & for 1 hour with a weight - 500g & in an oven. Increase of temperature 3°C every 5 min & record falling temperature. Substrate: Stainless Steel Tape Width: 20mm x 20mm Backing: 75 micron polyester tape</i>	Test Rate = 120°C Range: - 40°C to + 120°C & 149°C (for short periods) Note: All installation instructions must be followed to ensure correct tape to surface bond.

4. Applications

- Designed for applications which require excellent clarity or near invisible finish lines are required.
- A multi-purpose adhesive used predominantly to bond HSE (high surface energy materials) such as glass, metals, acrylic and polycarbonate plastic substrates.
- Used in many industrial application to replace or work in conjunction with rivets, screws, spot welds & liquid adhesives.
- Excellent for sign manufacturing, glass panels & for partition walls attachment.
- Good life durability as a gap filler double sided tape system. Adhesion to HSE (High surface energy substrates) - High Adhesion to LSE (Low surface energy substrates) - Low / Medium NOTE: Testing is always recommended on all surfaces for suitability. A primer system maybe required for bonding to LSE substrates.

5. Packaging

Roll (33 meters)

6. Shelf Life

12 months if stored in cool, dry place in original condition, unopened cartridges. Store in cool, dry conditions out of direct sunlight. Avoid high humidity storage locations. Store between 12°C to 25°C.

7. Application Instructions

Surfaces

Preparation:

Ensure that the adhesive product & substrate are allowed to acclimatise to the environment before bonding. Clean and dry and free from dust and loose or flaking material. A good surface preparation will ensure better adhesion. A wipe with Soudal 696 Surface Activator or Gorilla Solvent Cleaner is recommended to remove surface contaminants.

Application

Method:

Press firmly the Gator VHB Acrylic Double Sided tape onto cleaned surface to the required length, remove the protective backing film and press the prepared substrate to it. Ensure that there is complete contact and avoid air bubbles.

Application temperature: Above 15°C and below 25°C

Soudal recommends the customer tests that the suitability of the product for its desired purpose.

Application Limitations

- Due to the wide variety of possible uses & applications, customers should independently determine the suitability of these products for their specific purpose, prior to use.
- The suitability of this product, for each intended use, must be determined by the purchaser prior to acceptance

8. Manufactures Certification

- KS ISO 14001: 2009/ISO - 14001: 2004
- KSQ ISO 9001: 2009/ISO - 9001: 2008
- ROHS Certified

9. Health and Safety Recommendation

- Apply the usual industrial hygiene.
- Pre-testing for adhesion is intended to eliminate potential field problems. This testing will aid in determining the proper surface preparation method.
- For more detailed information, please refer to the SDS.

Remark

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email info@soudal.co.nz.***

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