



# TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

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## Rapidstick™ PITBULL 101 Fast Grab Hybrid Sealant

PART NUMBER	AVAILABLE SIZE
8-HBS101BK-300ML	300ml Cartridge (Black)
8-HBS101GY-300ML	300ml Cartridge (Grey)
8-HBS101W-300ML	300ml Cartridge (White)

### PRODUCT DESCRIPTION

Chemtools® Rapidstick™ PITBULL 101 Fast-Grab Hybrid Sealant is a one-part, solvent-free adhesive based on the latest polymer technology. It offers primeless adhesion to most substrates, and can be applied to both moist and dry surfaces.

PITBULL 101 bonds like an animal and fixes like a force of nature, performing in excess of 20 years when applied correctly. It has excellent UV resistance and cures to a tough, elastic adhesive/sealant with excellent abrasion, oil, and solvent resistance.

Ideal for a multitude of applications across all industries, PITBULL 101 is widely used in the automotive, roofing, and marine industries, and flagged as an essential fast-grab sealant due to its long-term life expectancy. It can be tooled within 10 minutes of application to achieve the required finish, and may be painted upon full cure.

Common applications include sealing and bonding flexible connection joints in ducting, ventilation, and air conditioning installations, and in construction, its uses include perimeter sealing of plastic, timber, and metal frames, along with the sealing of expansion and construction joints.

PITBULL 101 can be applied under most environmental conditions, offering almost no limitations with its suitability for multiple surfaces, including:

- All metals (incl. soft metals)
- All woods, including timber, MDF, chipboard, and cork
- Concrete, tiles, and bricks
- Natural stone, granite, and marble
- Mirrors and glass
- Polystyrene, Polyurethane, plaster, laminates, and most plastics



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### DIRECTIONS (READ LABEL BEFORE USE)

**PREPARATION:** Surfaces must be clean and free from loose material, standing water, or contaminants which otherwise may impair the bond. Non-porous surfaces such as aluminium should be cleaned/degreased before application. It may be necessary to prime some porous surfaces depending on cohesiveness and porosity of the substrate.

For applications such as construction joints where some movement will be exhibited, the minimum joint dimensions should be 6mm x 6mm with the maximum dimensions being 20mm wide by 12mm deep. Where deeper joints are found, depth can be reduced using a suitable backer rod. For areas of perimeter pointing where a fillet is to be applied, the minimum measurement across must be 10mm with a minimum depth of 6mm.

**APPLICATION:** Ensure joints are properly prepared and apply sealant firmly into the joint using an application gun, ensuring a good solid fill is achieved.

Once applied, the sealant can be tooled within 10 minutes to achieve the required finish. The cured sealant can be painted if required. Painting movement joints is not recommended as the movement of the sealant may be greater than the flexibility of the paint, leading to cracking or crazing of the paint film.

### TECHNICAL DATA

Material Type	Modified Silicone Hybrid Polymer
Cure System	Cures by vulcanisation upon moisture in the atmosphere
Coverage	300ml cartridge will seal approx. 10 meters with a 6mm bead
Specific Gravity	Colours: 1.45 – 1.50, Translucent: 1.03 – 1.07
Density (g/cm <sup>3</sup> )	1.58 – 1.61
Sag	< 3mm
Skinning Formation Time	Approx. TBA minutes (@ 23°C and 50% relative humidity)
Cure Rate	Approx. 3 mm per 24 hrs (@ 23°C and 50% relative humidity) <i>Note: As the joint depth increases, the cure rate will slow down.</i>
Shore A Hardness (DIN 53505)	45 - 55
Tensile Strength at 100% Extension	4 MPa
Elongation at Break	> 350%
Movement Accommodation	±20%
Flow (ISO 7390)	< 2mm
Frost Resistance During Transport	Up to -15°C
Application Temperature Range	5°C to 35°C
Service Temperature Range	-40°C to +100°C
Cartridge Thread	M21 (21mm diameter)
Shelf Life (Unopened Cartridge)	12 months when stored in cool, dry conditions



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Life Expectancy	When used and applied correctly, the sealant will perform in excess of 20 years.
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### LIMITATIONS

Should not be used to seal aquariums. Submerged joints need special attention to surface preparation and application and should be checked for integrity at regular intervals.

Always check to determine suitability of the sealant on any surface that may give cause for concern.

### FIRST AID & SAFETY PRECAUTIONS

Please refer to Safety Data Sheet (SDS) before use.

Use with adequate ventilation and avoid breathing fumes. Avoid contact with eyes and skin. This product may produce adverse health conditions, ranging from minor skin irritation to serious systemic effects. It should not be used, stored, or transported until the handling precautions and recommendations as stated in the Safety Data Sheet (SDS) for this product have been fully understood by all persons who will work with the material.

### STORAGE

Keep out of reach of children. Store in a sealed container in dry conditions between 5°C – 25°C. Do not return any unused material to its original container.

### DISCLAIMER

Chemtools® has made every effort to ensure the information provided in this Technical Data Sheet is accurate at the time of publication. Chemtools® expressly recommends that the user make his/her own assessment to determine the suitability of the product for its intended purpose prior to application. Chemtools shall not be responsible for loss, damage, or injury, resulting from the reliance upon, or failure to adhere to, any recommendations or information contained herein; nor from abnormal use of the material; nor from any hazard inherent in the nature of the material.

### FURTHER INFORMATION

Please visit Chemtools® online at [www.chemtools.com.au](http://www.chemtools.com.au) for product photos, marketing materials, Technical Data Sheets, Safety Data Sheets, contact details, and other company/business related information.