

## Technical Data Sheet

Chemtools® Pty Ltd | Ph: 1300 738 250 (+61 2 9833 9866) | Unit 2, 14 – 16 Lee Holm Road ST MARYS NSW 2760  
Safety Data Sheets, product photos, and other information can be obtained by visiting [www.chemtools.com.au](http://www.chemtools.com.au)



## Rapidstick™ Self Fusing Silicone Repair Tape

PART NUMBER	AVAILABLE SIZE*
8-FT-25-BK	25mm (W) x 3 Meter Spool (0.5mm Thickness)

\*Available colours and/or sizes may change without notice.

### DESCRIPTION

Chemtools® Rapidstick™ Self Fusing Silicone Repair Tape is a flexible and conformable wrap that activates upon stretching to fuse to itself and create a strong and permanent seal. It is reliably versatile and suited to applications in need of protection from air or water leakage, as well as moisture intrusion and corrosion.

Made from a high grade compound which will not become gummy over time, Silicone Repair Tape insulates immediately after wrapping to form an air-tight, waterproof seal. It remains non-flammable, tear and abrasion resistant, and withstands degradation from corrosive substances and UV rays, while resisting pressure and voltage, and absorbing shock and vibration.

### APPLICATION

Prepare the surface to be sealed by ensuring it is clean and dry, with any contaminants brushed off or wiped away.

Stretch the tape taut while wrapping and keep an even pull on the tape with each new rotation around the object.

To ensure an airtight, water-resistant seal, keep the tape layered flat and smooth to allow the silicone to fuse without any bubbles, folds, or bumps.

Partially overlap each layer to avoid leaving gaps that may introduce unwanted contaminants.

Bonding occurs instantly as stretched layers are met with those beneath them. Repositioning layers becomes difficult once this occurs, so be sure to place each layer into position as precisely as possible to avoid lifting and breaking the bond.

Cut any excess un-stretched quantity of tape, and tightly wrap the final length to ensure the bond activation occurs on the last remaining section of tape.

Removal by razor can occur after full cure (24 hours), without leaving any sticky surface residues behind.

*Note: Removal before cure may result in slight residue remaining.*

### FEATURES & BENEFITS

- Maintains continuous electrical insulation with high dielectric strength
- Displays excellent thermal insulation properties
- Resistant to UV exposure and harsh weather conditions
- Withstands extreme temperatures from -50°C to +260°C (and up to 300°C for short periods)
- Non-flammable
- Resists chemicals, solvents, oils, and other corrosive substances
- Provides an air-tight and water-tight seal
- Not affected by salt spray and highly suitable for marine and coastal areas

### COMMON APPLICATIONS

- Electrical insulation, including electrical splices, wire harnesses, transformers, power tools, motor coils, and cable repairs.
- Plumbing repairs, such as sealing leaks in pipes, hoses, and fittings.
- Automotive and marine repairs, as a temporary fix on air hoses, gaskets, radiator hoses, exhaust systems, and other vital components
- Universal sealing and waterproofing, especially to protect exposed surfaces in outdoor and marine applications where environmental factors could lead to degradation and corrosion.
- Household repairs, such as dishwasher and washing machine drainage hoses, as well as cracked drainpipes
- Gardening and outdoor repairs, including garden and irrigation hoses and their fittings

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- Universal emergency repairs, or as a quick fix in situations where traditional tape may not suffice.
- Non-vital applications where a no slip grip is required, such as on hand tools and sports equipment
- Multiple other uses in mining, solar, utility, wind power, and general construction industries

### TECHNICAL DATA

Colour	Black
Material	Silicone rubber compound
Thickness	0.5mm
Width	25mm
Length (Spool)	3 Meters
Flammability	Non-flammable
Density	1.14 g/cm <sup>3</sup>
Temperature Operating Range	-60°C to +260°C
Tensile Strength	700 psi
Volume Resistivity	3.7 x 10 <sup>14</sup> Ω cm
Dielectric Strength	400 volts/mil

### STORAGE

Store in a cool, dry place away from direct sunlight, in original packaging. Avoid contact with sharp objects or abrasive surfaces that may damage the packaging or its contents.

### DISCLAIMER

Every effort has been made to ensure the information provided in this document is accurate at the date of publication. Chemtools® Pty Ltd 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® Pty Ltd 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.