

NEVER

T&B Self-Fusing
Insulation Tape

has one tape done so much in so many places!

Once you try it, you'll wonder what you ever did without it!



Introducing the **NEW** T&B Self-Fusing Insulation Tape display. It will allow you to demonstrate the usage of our tape.

To get one, please contact your regional sales office.



Under ground, under water, above ground, hot and cold environments, high and low voltage applications – wherever wire and cable terminations are found, T&B Self-Fusing Insulation Tape seals, protects, repairs and harnesses with amazing dielectric strength.

Forget the heat gun and adhesive. Just two layers of silicone-based, self-amalgamating tape form a flexible dielectric layer that protects your connection against moisture, humidity and corrosion. Since this general-purpose tape is self-fusing, removal is quick and easy with no sticky residue left behind on electrical connections. And because the tape offers a wide temperature range for both operation and storage, you can safely toss the roll in your toolbox or the back of your van and use it even in extreme environments indoor or outdoor.

Manufactured using modified silicone rubber compound, T&B Self-Fusing Insulation Tape is resistant to UV rays, ozone, radiation, arc track, steam/moisture, fresh/salt water and temperatures ranging from -90°C to 260°C.



Shrink-Kon™ • Kold-n-Close® • E-Z Code®

Thomas & Betts

Features and Benefits – T&B Self-Fusing Insulation Tape

- Requires no heat gun or adhesive to form a moisture-proof, abrasion-resistant bond
- Easy-release, non-static-sensitive, high-visibility liner peels right off
- Self-fusing tape material adheres to itself for ease of installation
- Creates an immediate, permanent bond even when wet – no waiting period
- Offers high dielectric strength, suitable for both high and low voltage applications
- Stable even under extreme temperatures: 90°C (-130°F) to 260°C (500°F)
- UV, radiation, arc-track, ozone, steam, moisture and saltwater-resistant
- Easily removable – just slice with a knife and pull off – leaves no residue

TBFT201-6

TELECOM – 6 rolls of 6 feet

COLOR*	LENGTH	WIDTH	THICKNESS**
black	6 x 6 feet	1 inch	0.020 inch

* Custom colors available – minimum order of 5000 rolls.

** Also available in 12 MIL thickness – minimum order of 5000 rolls.

TBFT201-36

COMMERCIAL – 36 foot roll

COLOR*	LENGTH	WIDTH	THICKNESS**
black	36 feet	1 inch	0.020 inch

* Custom colors available – minimum order of 5000 rolls.

** Also available in 12 MIL thickness – minimum order of 5000 rolls.

TBFT421-36

INDUSTRIAL – 36 foot roll

COLOR*	LENGTH	WIDTH	THICKNESS**
red	36 feet	1 inch	0.040 inch

* Custom colors available – minimum order of 5000 rolls.

** Also available in 12 MIL thickness – minimum order of 5000 rolls.



If Fill is Required

- Fill in and around all irregular surfaces using T&B Smooth compound in order to cover sharp surfaces (i.e. bolts, screws, nuts, terminal lug, butt splice, electrical connector, etc.) and also to create a smooth evenly tapered surface, prior to application.

Features and Benefits – T&B Smooth Filler/Putty

- Insulation putty
- Same characteristics as the Self-Fusing Insulation Tape
- Tape bonds to putty
- Economically enhances Self-Fusing Insulation Tape applications
- Saves on tape when used on terminal splicing
- Saves tape, saves time, saves money!

TBFP9-2

SMOOTH COMPOUND – 25 inch roll



COLOR*	LENGTH	WIDTH	THICKNESS
white	25 inches	1 inch	5/16 inch

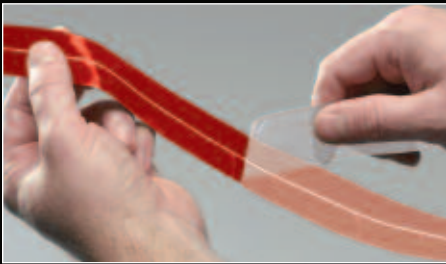
* Custom colors available – minimum order of 5000 rolls.

Technical Information

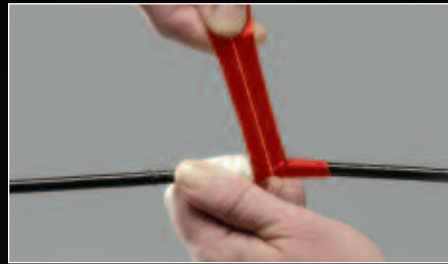
Typical Properties	Test Method/Standards	Typical Performances
Hardness	ASTM D2240	55-65 Durometer Shore « A »
Dielectric Strength	(MIL) A-A-59163, ASTM D-149	> 400 VPM (40 MIL tape) / > 600 VPM (20 MIL tape)
Tensile Strength	(MIL) A-A-59163, ASTM D-412-98A	> 1200 PSI
Elongation	MIL-I-46852, ASTM D-412	> 325 %
Adhesion (Fusion)	ASTM D-2148	Tape shall not unwind more than 1.0" after 3 min. with an attached 600g load.
Breaking Strength	ASTM D-412	> 15 lbs
Dimensions (Thickness & Width)	ASTM D-3767	Triangular: (40 MIL tape) Thickness: 37-43 MIL on apex 10-30 MIL on edge Width: 7/8" to 1-1/8" <hr/> Rectangular: (20 MIL tape) Thickness: 37-43 MIL Width: 7/16" to 9/16"
Water Absorption	MIL-I-46852, Fed.std.601, Method 6251	< 0.5 %
Volumic Resistivity	ASTM D4325-02	10 ¹⁶ ohm-cm
Temperature Range	–	-90°C (-130°F) to 260°C (500°F)
Dry Arc Resistance	ASTM D495-99 (2004)	> 132 seconds

Create a Moisture-Proof Insulating Seal is as Easy as 1,2,3...

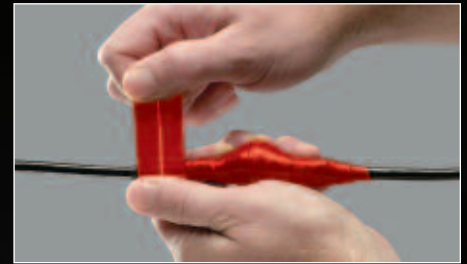
1. Cut a suitable length of tape...



2. Wrap a first layer of tape...



3. Wrap a second layer of tape



T&B Self-Fusing Insulation Tape – Insulation, wrapping and sealing minimum requirements

Minimum requirements of any insulating configurations are as follows:

- Two (2) layers of half-lapped tape should be applied over any surface onto which the tape is wrapped (i.e. bare connection, or cable/wire insulation or jacket).
- Tape must be overlapped onto the cable/wire insulation/jacket a minimum distance of 1.5" when an environmental seal is required.
- First layer of tape should be applied with maximum stretch (<75% of original width). Second layer should be applied with minimal/zero stretch.

Typical Applications



Electrical



Plumbing



Automotive



Residential

- Repair deteriorated insulation on cables and conductors
- Insulate and seal, underground and above-ground bonding installations
- Insulate harnessing, bundling, cabling and wiring in aircraft, automotive, marine and other industrial machinery/equipment
- Motor connections
- Protects against vibration, scratching and moisture



Certifications

Tapes are manufactured under ISO9001 : 2000 certifications.

Atlantic Region

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