

Emergency Repair (ER) Tape Self-Fusing Silicone Repair Tape

Emergency Repair (ER) Tape is a unique self bonding silicone rubber tape that is used wherever a tough, permanently resilient, void-free insulation is required. Ideal for plumbing, electrical, automobile, and marine applications



Meets UL Standard 510, RoHS Compliant, USA Military Spec CID A-A-59163

**Waterproof • Airtight • Self-Fusing • No Adhesive • No Sticky Residue • All Weather
500°F Heat Resistance • V-O Flame Retardant • Class “H” Insulation**

TYPICAL USES

ER Tape is self-fusing, has no adhesive, and cures at room temperature - making it a tough and easy-to-apply replacement for heat shrink insulation. ER Tape shields against moisture, chemicals, UV rays, ozone, oxygen, and corona, ensuring reliable performance in demanding conditions. ER Tape boasts 950 PSI Tensile Strength, insulates a minimum of 400 Volts per mil, and withstands extreme temperature environments ranging from -85°F to 500°F. ER Tape is a durable, versatile, and easy-to-use wrap that creates a waterproof and airtight seal for various electrical connections and fittings in seconds.

LIMITATIONS

ER Tape is not designed to be a permanent repair and there are no guarantees as to how long the repair will last. Repositioning ER Tape can only be done in the first few seconds after wrapping. Attempting to reposition ER Tape after 1 minute or longer is not advised. ER Tape is not reusable.

TYPICAL PHYSICAL PROPERTIES

	Test Method	Military Spec Min Performance	Test Results
Operating Temp Range		-85°F to 500°F	-85°F to 500°F
Continuous Temp Range		-104.8°F to 392°F	-76°F to 392°F
Cold Brittle Point		-85°F	-85°F
Hardness Shore A	ASTM D2148	50	50
Tensile Strength, Min.	ASTM D119	700 PSI	950 PSI ± 25
Elongation, Min.	ASTM D119	300%	800% ± 50%
Tear Strength, Min.	ASTM D624, Die B	85 ppi	85 ppi
Bond Strength, Min.	MIL-I-46852	2lbs	12lbs
Cold Brittle Point, Max.	ASTM D746	-85°F	-85°F
Water Absorption, Max.	MIL-I-46852	3% by Weight	3% by Weight
Dielectric Strength, Min.	MIL-I-46852	400 v/mil	400 v/mil

STANDARDS

ANAB Accredited ISO/IEC 17021

Meets UL Standard 510

USA Military Spec: CID A-A-59163

REACH Compliance

RoHS Compliance EU 2019



Seal It Services, Inc.
ISO 9001:2015 | 31615421 QM15

Emergency Repair (ER) Tape

PACKAGING & ORDERING INFORMATION

Grainger Code	Description	W x L x T	Grainger Code	Description	W x L x T
32XV38	Black (RECT)	1" x 12' x 20mil	6PFH4	Blue (RECT)	1" x 36' x 20mil
32XV39	Red (RECT)	1" x 12' x 20mil	6PFH5	Gray (RECT)	1" x 36' x 20mil
32XV40	Clear (RECT)	1" x 12' x 20mil	32XV35	Black (RECT)	1" x 36' x 20mil
32XV41	White (RECT)	1" x 12' x 20mil	32XV36	White (RECT)	1" x 36' x 20mil
32XV42	Gray (RECT)	1" x 12' x 20mil	32XV37	Gray (RECT)	1" x 36' x 20mil
3DXU8	Black (RECT)	1" x 36' x 20mil	32XV30	Black (TGL, Blue Stripe)	1" x 36' x 20mil
3DXU9	Yellow (RECT)	1" x 36' x 20mil	32XV31	Red Oxide (TGL, Blue Stripe)	1" x 36' x 20mil
6PFH0	Red (RECT)	1" x 36' x 20mil	32XV32	Gray (TGL, Blue Stripe)	1" x 36' x 20mil
6PFH1	White (RECT)	1" x 36' x 20mil	32XV33	Black (TGL, Blue Stripe)	2" x 36' x 20mil
6PFH2	Green (RECT)	1" x 36' x 20mil	32XV34	White (TGL, Blue Stripe)	2" x 36' x 20mil
6PFH3	Clear (RECT)	1" x 36' x 20mil	32XV29	Black (TGL, Green Stripe)	1" x 36' x 40mil

Rectangle - Standard, same thickness throughout. **Triangle** - Thicker in middle and tapers at edges to allow each edge to overlap evenly for uniform application. There is also a thin colored stripe down the middle to act as a guide.

Rectangular Type I



Tape Cross Section

Triangular Type II



Tape Cross Section

AVAILABLE IN 8 COLORS



APPLICATION/INSTRUCTIONS

Wrap ER Tape around the pipe by stretching and overlapping onto itself. Stretch to at least double its original length to ensure a good bond. For high-pressure leaks, stretch to the max. The tighter ER Tape is wrapped, the quicker and stronger the bond. Continue wrapping ER Tape around the pipe by overlapping so that half the width is covered with the next wrap. The first and last wrap should completely overlap with the previous wrap for a complete bond. Additional layers may be necessary, and the same process should be used over the previous layers. E-Shield Tape works on either side. Additional E-Shield Tape can be applied over the project at any time in the future.

STORAGE & SHELF LIFE

For the longest shelf life, it should be kept at room temperature and away from direct light or heat. However, these factors only slightly alter the shelf life. Even when stored improperly, ER Tape should last for many years.

SAFETY / WARRANTY

Refer to Safety Data Sheet (SDS) for complete information, available from supplier or by visiting www.ertape.com. The manufacturer warrants the product to be free of defects in material and performance when used as directed for one year from the date of purchase. Call (800) 587-9940 with your sales receipt and product container available for a replacement product or sales price refund. Neither manufacturer nor reseller will be held liable for incidental or consequential damages.

Disclaimer: All values presented in this document are approximate and subject to change without notice. Product is provided without warranty, expressed or implied, of fitness for any specific purpose. Because conditions and usage are beyond the manufacturer's control, neither manufacturer nor seller will assume responsibility for the use or misuse of this product. Each user is solely responsible and liable for making its own determination as to the suitability of this product for its own particular use and application. We assume no responsibility for coverage, performance or injuries resulting from the use of this product. Liability, if any, is limited to replacement cost of product. Please refer to our website at www.bonditusa.com for the most up-to-date Technical Data Sheets and Safety Information.

Para obtener instrucciones o garantía en español, llame al (800) 587-9940 o visite www.bonditusa.com

ERTTDS/0824