

Silicone

# X-TREME TAPE<sup>®</sup>

**NO ADHESIVE • SELF-FUSING**

*The Ultimate Protective & Repair Wrap*  
*Fix & Seal Anything, Anywhere, Anytime*



# specifications

| Typical Properties                                     | Test Method               | Performance                         |
|--|---------------------------|-------------------------------------|
| Operating Temperature Ranges:                          |                           |                                     |
| Continuous   |                           | -45° C to 200° C (-50° F to 400° F) |
| Intermittent:  |                           | -65° C to 260° C (-80° F to 500° F) |
| Specific Gravity                                       | ASTM D792                 | 1.2 ± .03                           |
| Hardness, Durometer, Shore A<br>Room-Cured — 24 Hours: | ASTM D2240                | 55 ± 5                              |
| Tensile Strength                                       | ASTM D412                 | 700 psi min.                        |
| Elongation   | ASTM D412                 | 300% min                            |
| Tear Strength  | ASTM D624, Die B          | 60 ppi min.                         |
| Bond Strength  | MIL-I-46852               | 2 lbs. min.                         |
| Adhesion, unwind                                       | ASTM D2148                | 3 in. min.                          |
| Cold Brittle Point                                     | ASTM D2137                | -54° C (-65° F)                     |
| Water Absorption, by weight                            | Fed. Std. 601, Meth. 6251 | 5% max.                             |
| Dielectric Strength                                    | ASTM D149                 | 400Vpm min.                         |
| Dielectric Constant, 1kHz                              | ASTM D150                 | 2.95                                |
| Dissipation Factor, 1kHz                               | ASTM D150                 | <0.0004                             |
| Volume Resistivity                                     | ASTM D257                 | 1 x 10 <sup>13</sup> OHMS/cm min.   |

## Relation and Compliance to Industry Standards

- A-A-59163: Which supercedes MIL-I-46852C
- CPSIA: Consumer Product Safety Improvement Act
- Prop 65: The Safe Drinking Water and Toxic Enforcement Act of 1986
- Class H Insulator — National Electrical Manufacturers Association (NEMA)
- RoHS: Restriction of Hazardous Substances Directive 2002/95/EC
- REACH: Registration, Evaluation, Authorization and Restriction of Chemicals (EU Regulation)
- Flammability Testing: Per CPSC's ASTM F963-08

The Ultimate Insulating Wrap Product Line is UL Listed for use at not more than 600 V and at not more than 80° C (176° F)

## General Performance Properties

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Moisture Resistance • Excellent   | UV Resistance • Excellent          |
| Electrical Insulation • Excellent | Ozone Resistance • Excellent       |
| Resilience • Excellent            | Corrosion Prevention • Excellent   |
| High Temperatures • Excellent     | Solvent Resistance • Good          |
| Flame Resistance • Good           | Acid Resistance • Good-Fair        |
| Abrasion Resistance • Good        | Oil Resistance • Good-Fair         |
| Tear Resistance • Good            | Hydrocarbon Resistance • Good-Fair |

Warranty: **X-TREME TAPE** is warranted against defects in material and workmanship when used for the purposes intended, under normal conditions. The warranty applies to product only and does not apply to damages arising from use of the warranted product. The above values are typical performance data of silicone rubber tape and are not intended to be used as design data.

# Silicone **X-TREME TAPE**<sup>®</sup>

**X-TREME TAPE**<sup>®</sup> is the *Original* self-fusing silicone insulating & repair wrap.

Initially developed for U.S. Military applications, **X-TREME TAPE**<sup>®</sup> has been tested and proven in the most extreme conditions and environments. It is the most versatile and easy-to-use quick-fix emergency rescue repair tape available.

**X-TREME TAPE**<sup>®</sup> withstands extremes in:

**Temperature:** *Withstands Over 260°C of Heat and Remains Flexible to -60°C*

**Pressure:** *Has an Amazing 700 PSI Tensile Strength*

**Voltage:** *Insulates to 8,000 Volts per Layer*

**Moisture:** *Creates a Permanent Air-Tight, Water-Tight Seal in seconds!*

**Corrosion and Contaminants:** *Resists Acids, Fuels, Oils, Solvents, Salt Water, UV Rays...*

Tests show the bonding strength of **X-TREME TAPE**<sup>®</sup> greatly exceed the Mil-Spec standard and that of competitor tapes, whilst never getting gooey or sticky like old-fashioned electrical tape or duct tape — No messy clean-up!

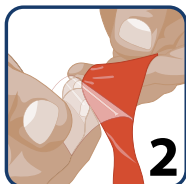
**X-TREME TAPE**<sup>®</sup> also has an incredibly long shelf life, and stretches to 300% of its original length during application!

# how to apply X-TREME TAPE®

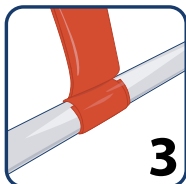
We suggest using a maximum of 15-20 cm or 3-4 times the diameter to be wrapped for handling ease.



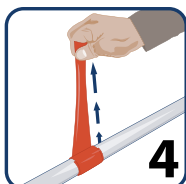
Clean surface to be wrapped.  
Cut off length to be used.



Peel back a short length of protective film.  
Keep tape clean and dry.

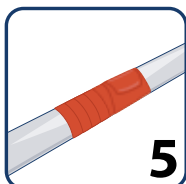


Begin with one complete overlap onto itself.



Stretch **X-TREME TAPE®** while continuing to wrap object with “half-laps”, removing clear film as you go.

*For greater pressure resistance, use 2 or more tightly wrapped layers.*



End of tape at final wrap should be completely positioned onto itself.

**NOTE:** X-TREME TAPE® bond begins to cure immediately upon contact with itself. Repositioning or removal is not recommended after 2 minutes of wrapping.

X-TREME TAPE® will form a permanent, cohesive bond within 24 hours at room temperature. **Store in a Cool Dry Place.**

This product is provided without warranty either expressed or implied, of fitness for a specific purpose. Because conditions and methods of use are beyond our control, neither the manufacturer nor seller will assume any responsibility for the use or misuse of this product. This includes, but is not limited to, any consequential or incidental damages.

# at a glance...

# 300% STRETCH



Resists Temperatures  
-50°C to +260°C

**LASTS FOR  
YEARS**



Insulates  
15000 V/mm



UV Resistant



**WRAS**  
APPROVED  
PRODUCT

**CLASS H  
INSULATOR**

**IEC**  
THERMAL CLASS

**UKAS**  
QUALITY  
MANAGEMENT  
ISO 9001



# colours & sizes

**X-TREME TAPE**® is available in **10 Colours** as standard:



black



blue



bright red



clear



grey



yellow



green



orange



oxide red



white

Our standard size rolls of **25.4 mm width x 3 m long** can be purchased with a wide range of packaging options, which encompass both industrial and retail uses:

## loose rolls



**Boxes of 140 Rolls (3m)**

Ideal for reselling and for adapting your own packaging needs!

# pre-packed clam shells



## **Boxes of 60 Pre-Packed Rolls** (3 m)

Ideal solution for retail —

Ready for immediate resale!

Standard insert available in 5 languages.

Fully customisable insert card —

Promote your own brand! (additional costs apply)

# pre-packed tubes

## **Box of 20 Tubes** (3 rolls of 3 m per tube)

Larger pre-packed option for the sale of multiple rolls.

Multilingual exterior label available.  
(EN, DE, FR, IT, ES)

Customisable pack size.



# industrial rolls



*For Industrial Applications we have also developed larger rolls of 38.1 mm and 50.8 mm width. (3 m and 11 m)*

Tapes available in **OXIDE RED & BLACK**

*Please contact **MOCAP** Sales to discuss large orders or custom sizes.*

# market interest

Originally developed for the U.S. Military, **X-TREME TAPE**<sup>®</sup> directly appeals to a number of different markets. The following list offers a cross section of industries where **X-TREME TAPE**<sup>®</sup> can easily be promoted:

## **DIY & Home Repairs**

### **Electrical**

### **Plumbing & Camping**

### **Auto Parts & Accessories**

### **Industrial Supplies**

### **Maintenance Departments**

### **Garden Centres**

### **Surface Treatments**

### **Sports Shops / Retailers**



# application

*If you can wrap it, X-TREME TAPE® can fix it!*

With excellent electrical insulation, UV resistance, tensile strength and its ability to create an air-tight seal, **X-TREME TAPE®** has unrivalled versatility.

Silicone **X-TREME TAPE®** can effectively insulate up to 8000 volts for a single 0.5mm thick layer, perfect for:

## ELECTRICAL USES

- Solar Panels
- Satellite Dishes
- Cable Tying
- Cable Repairs
- Electrical Installations
- Cable Colour Coding



## AUTOMOTIVE

- Air Leaks
- Temporary Fan Belt
- Jump Leads Insulation
- Exhaust Pipe
- Engine Hose Emergency Fix



## HOME AND GARDEN

- Aquarium Filter
- Vacuum Cleaner Hose Repair
- Iron Cord
- Garden Lights & Pond Cable Insulation
- Tool Handles
- Water Hose & Pipe Repairs



# application

***Save money on expensive service calls, parts & fittings!***

**X-TREME TAPE**® can rescue you from many problems at home and on the road. Its low water absorption and high continuous temperature range make it perfectly suited for home projects, renovations and maintenance, as well as emergency repairs:



## **PLUMBING & BUILDING**

- Pipe Lagging
- Air Conditioning
- Pipe Colour Coding
- Shower Repairs
- Sealing and Fixing
- Weatherproofing
- General Maintenance

Not only useful for the maintenance of various sports and leisure equipment, **X-TREME TAPE**® withstands salt water and UV rays and can be applied and fused at a depth of over 300 meters, making it the perfect self-fusing tape for any marine environment:



## **SPORT AND LEISURE**

- Bike Handlebars
- Climbing
- Racket Handles, Fishing Rods
- Camping, Caravanning and Sailing
- Underwater Repairs
- Salt Water & Anti-Corrosion Protection
- Boat Rigging

***If you have any questions regarding the use of X-TREME TAPE®, please contact MOCAP Sales Team.***





**MOCAP** Limited  
Telephone: +44 1952 670 247  
uk.xtremetape.eu  
sales@mocap.co.uk



**MOCAP** Deutschland  
Telefon: 0800 6622733  
de.xtremetape.eu  
info@mocap-deutschland.de



**MOCAP** Dépt. France  
Téléphone: 33 (0)1-82-88-58-31  
fr.xtremetape.eu  
info@mocap.france.com



**MOCAP** Italia  
Tel: +39 035 0460169  
it.xtremetape.eu  
info@mocap.it



**MOCAP** España  
Teléfono: 00441952 68 88 25  
es.xtremetape.eu  
ventas@mocap.com.es

*Mailing Address:* \_\_\_\_\_

**Hortonwood 35  
Telford, Shropshire TF1 7YW  
United Kingdom**

