LLFA® TAPE

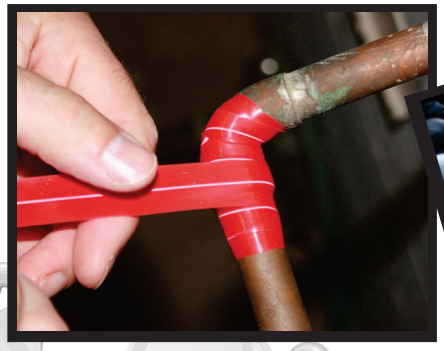
The Professional Solution

For crisis and long-term applications

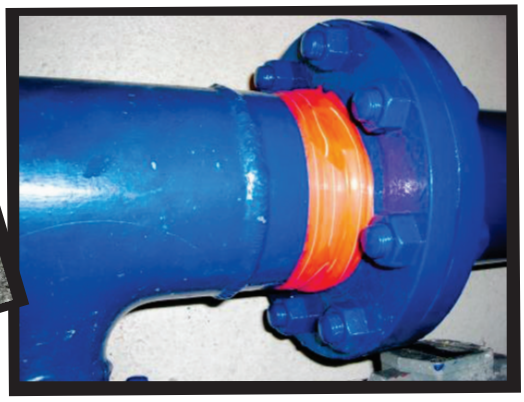
- Stops nasty leaks under pressure without having to turn off the water source.
- Will seal leaks to 150 PSI (water, air, steam).
- Self-fusing layers form a waterproof long-term compression seal.
- Good to 500°F / 260°C.
- Suitable for burial with no jacketing.
- Environmentally safe and non-toxic.
- Helps prevent corrosion.
- Safe for drinking water.
- Great on galvanized, copper, PVC, cast iron, etc.



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Seals
Gas
Liquid
Steam
Electricity

LLFA®SMOOTH is a revolutionary putty that stays flexible and works with the tape. An ideal option for filling rough and uneven surfaces before using LLFA®TAPE. 2" LLFA®TAPE for larger diameter repairs.



NO Mess NO Gloves NO Chemicals NO Waiting

LLFA® TAPE

Technical Notes



- **Application**

LLFA®TAPE (said, "alpha") can be applied on almost any material, from galvanized and cast iron to copper and all types of plastics or rubber. It contains no adhesive, so pulling the tape as tight as possible on all layers allows it to seal by compression (the harder you pull the greater the compression). Fusing into a mass of silicone, LLFA® forms a heavy duty bond on the leak or connection that can be used as an emergency or long-term repair.

- **Abrasion Resistance**

When applied properly, LLFA®TAPE can be used as a stand alone solution. For really rough situations, use an extra layer or two of LLFA®TAPE at low tension to create an abrasive resistant layer on the outside of the area it is sealing.

- **Strength**

Like an Olympic gymnast, LLFA®TAPE is strong (tensile), and flexible. These two characteristics are valuable for creating a long-term solution which helps ensure additional repair is not required. Even after a 20 year aging test LLFA®TAPE remains strong.

- **Temperature Stability**

Unlike LLFA®TAPE, other products are less effective in extreme cold or humid conditions. LLFA®TAPE can be stored on the dashboard of your truck on the hottest day, or in your toolbox on the coldest day.

- **Drinking water**

LLFA®TAPE meets the stringent standard requirements of the United Kingdom's BS6920:2000 test as monitored by the Water Regulations Authority which looks for 13 contaminants as well as taste and color of the water. The test indicated that LLFA®TAPE was suitable for use with cold and hot drinking water to 85°C. Similar tests do not exist in the USA or Canada.

- **Fire Resistant**

LLFA®TAPE easily passed testing equivalent to IEEE 1202 and FT4 also exceeding IEEE 383. LLFA®TAPE is self-extinguishing and will not propagate a flame. It has also been found to meet NFPA #130 requirements.

- **Electrical**

Just two layers of LLFA®TAPE has a dielectric value of up to 32 KV, and is suitable for many electrical applications including: insulating motor leads, joints, terminations and cable jacket repairs.

Temperature Range	-90°C to 260°C / -130°F to 500°F
Tear Resistance	~ 125 lbf/in
Elongation	> 325%
UV Resistance	Highly UV resistant.
Adhesion (Fusion)	Standard requirement: "Tape shall not unwind more than 1.0 inch after 3 minutes with an attached load of 600g." Result: LLFA® TAPE < 1 inch
Thermal Stability	-90°C to 260°C / -130°F to 500°F continuous
Tensile Strength	~ 1200 PSI
Acids, Alkaline and Chlorine	No negative effect from brief exposure to acids, alkaline or chlorine and can withstand submersion up to 3 days.
Self-Extingushing	UL standard 94 rating V-O. Tested to IEEE383 and IEEE1202 for flammability, self-extingushes and will not propagate a flame.
Standard Compliance	ASTM D2240, A-A-59163, ASTM D-149, MIL-I-46852, ASTM D2148, ASTM D3767 (LLFA®TAPE specifications meet other international standards not included in this list.)



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