

**Armor Wrap
(Technical Data Sheet)**

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Introduction

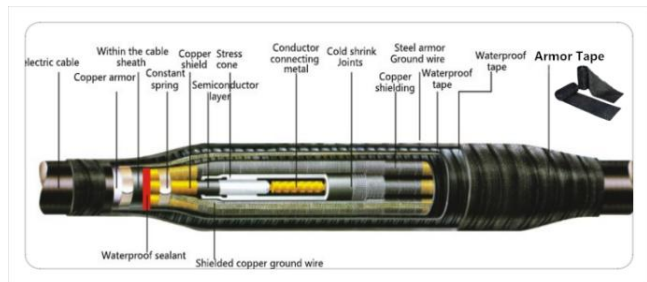
Armor Tape is a flexible fiberglass knit fabric strip, saturated with a curable polyurethane resin syrup that starts to cure after adding water. Once wetted, the fiber strip becomes tacky and sticks to itself, so it wraps easily around almost any shape or size. It's applied to reinforce shield and connector of cable. Mostly use in aerial, buried and manhole applications and is ideal for strengthening old cables, splices and auxiliary seals. No reworking is required, it's ready to wrap straight from the package. This Structural Material can be used on pressurized or non-pressurized cable and either polyethylene or lead sheathed cable.

Normal Specifications (The length can be produced as required)

| | | | |
|----------|------------|----------|------------|
| UA002-15 | 5cm×150cm | UA004-15 | 10cm×150cm |
| UT004-30 | 10cm×300cm | UA004-46 | 10cm×460cm |

Unique-technology Armor Wrap Technical Data Sheet

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| Color: | Black / White |
| Application Method: | Wet Lay-up |
| Melting point: | 680°C |
| Boiling point: | >1000°C |
| Operation time: | 3~10 minuets (depend on operation temperature) |
| Cured time: | around 30 minuets after direct exposure to water |
| Heat Resistance: | 0 °C ~ 150 °C |
| Hardness, Shore D: | 70 |
| Warp / Weft Density: | 12 roots/cm |
| Thickness: | Single Ply: 30mm ± 0.5mm (10 Mils ± 2 Mils) |
| Fabric Weight: | 420 g/m 2 |
| Resin Content: | 45% ± 3% |
| UV Resistance: | UV inhibitors added |
| Toxicity: | Non-Toxic-Non-Hazardous. |
| Shelf Life: | 3 years from production date |



Application:

It works for sheath repairs, trouble openings, 90(deg) bends, long length repairs, and T-zone damage. Can be used on pressurized or nonpressurized cable and on either polyethylene or lead-sheathed cable. Perfect for sheath repair, trouble openings in poly cable, and T-zone repair. Gives you the complete versatility you need. It wraps like tape, so it fits around any size or shape of sheath. It adheres to either plastic or lead-sheathed materials. The strong, fiberglass reinforced material is perfect for strengthening old cable and splices. No reworking is required, just open a pack of Unique-technology Armorcast material and wrap. It is easy and fast to apply, yet hardens to a strong, maintenance-free coating. The fiberglass reinforced composite material forms a tough, durable covering that will harden and fully cures in approximately half an hour.

Mechanical Peoperties

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|----------------------|--|
| Elasticity modulus: | 215,000psi (pound/per square inch) |
| Tensile strength: | 6575psi (pound/per square inch) |
| Pressure Withstand: | 2910psi(Min wrapping 15 layers, around damage area) |
| Chemical Resistance: | Most Dilute Acids, Brine, Oils, Toulene, White Spirit, Xylene, Sodium Hydroxide, Saturated Soda Solution, Fuel Oils, Kerosene Oil, Acetone, Ethyl Alcohol, Diesel fuel Caustic Soda 50%. |

Direction for Use

- *Put gloves on, open the bag and immerse the wrap in temperate water for 10-15 seconds & squeeze the wrap to let the water soak in evenly.
- *Squeeze out the access water, apply the wrap spirally around the cable. Extending up to 50mm(2") either side of the cable area.
- *When wrapping, put each layer tightly and firmly, using hand to mould and squeeze the layers together in a tightening motion. Continue to apply pressure during application and upon completion.
- *Suggestion: To achieve the best result, the wrap should be more than 10mm thick (10-15 layers). Allow 30 minutes for bandage to set rock-hard.



Storage

Unique-technology Armor Wrap should be stored unopened in the foil packaging in cool, dry conditions. Under this conditions it will have a shelf life of 3 years. Any harden due to the broken during shipment. Our factory can reimburse freely.

Health & Safety During Use

Unique-technology Armor Wrap contains a urethane pre-polymer, which is not classified as hazardous. But gloves should be worn to avoid unnecessary skin contact with the uncured material. For further health and safety information, please refer to the related Safety Data Sheet.