



# ACROTAPE- 120

## ANTICORROSIVE PW TAPE

### DESCRIPTION

**ACROTAPE-120** is a high performance anti-corrosive pipe wrapping tape designed for use on buried pipeline, pipe joints, fittings and tie bars where impact or stress is low.

### RECOMMENDED USES

- **ACROTAPE-120** Can be used as a rust preventing, anticorrosive wrapping for steel tanks, GI pipes & other surfaces.
- Very good for buried pipes.
- As a heavy-duty abrasion resistant Wrapping on steel exposed to abrasion.
- Recommended for long-term protection of steel and other structural materials in moderately to severely corrosive environment like marine atmosphere, chemical plants, oil refineries, fertilizer plant and paper industry.

### TECHNICAL DETAILS

Colour	Black, Blue	
Backing thickness	380 $\mu$	ASTM D 1000
Total thickness	1.2 mm	ASTM D 1000
Tensile strength	> 12 N/Sqmm	ASTM D 638
Elongation	> 250 %	BS 2782
Tape strength	> 9 N/mm	ASTM D 1000
Tear resistance	> 30 N	ASTM D 1004
Adhesion		
To primed Steel	2.5 N/mm	ASTM D 1000
To self	2.5 N/mm	ASTM D 1000
Impact resistance	12 N.M.	DIN 30672
Insulation resistance	$9.8 \times 10^6 \Omega$	ASTM D 257
Service temperature	-7 to +75 °C	
Storage temperature	+5 to +30 °C	

### ADVANTAGES

- Easy to apply
- Excellent adhesion
- High strength
- Flexibility
- Resistance to Acid & Alkali
- Excellent impact resistance

### SURFACE PREPARATION

Surface preparation, priming or wrapping should not take place when the substrate is wet. Do not carry out work when the surface temperature is less than 50C. All sources of ignition must be extinguished or removed before carrying out priming operation. Adequate ventilation must also be ensured. Store the tapes at temperatures not exceeding 300C and avoid excessive load stacking. During application it is important to maintain an even tension whilst controlling the overlap to prevent air entrapment, which could lead to corrosion at a later stage. The tapes are best applied by machine, either hand powered for small runs or mechanically propelled for longer runs. For machine wrapping these lengths are increased to suit the project and reduce the number of roll changes.

### METHOD OF APPLICATION

#### Priming

Stir the primer and transfer to a clean wide aperture container. Use only clean and dry brushes. Apply evenly to ensure complete coverage, particularly around weld beats. Reseal the containers when not in use. Follow safety precautions whilst using solvented product.

#### Wrapping

Wrapping Application instructions are for guidelines only and are subjected to alterations for specific project requirements. Wrapping should not commence until the primed surface has become touch dry. Apply strips of tape 100mm wide along the weld beads and press firmly. Peel back 150 to 300 mm of the release film and apply the tape, adhesive side, to the pipe. The angle of the tape must be such as to produce the specified overlap. Apply only sufficient tension to ensure good conformation avoiding air pockets and bridging. Ensure end lap area of at least 150 mm when splicing the tapes.

Backfill with care. Use of protection board is recommended to prevent any damage from backfilling. Avoid use of rocky or agglomerated backfill.

#### STORAGE

**ACROTAPE-120** rolls should be stored under cover, out of direct sunlight and protect from extreme temperatures. Storage area should be cool, dry, well-ventilated. Ambient temperature inside storage areas should always be less than 30°C. Recommended storage temperature is between +5 to +30°C. In tropical climates the product must be stored in an air-conditioned environment.

#### SAFETY

**ACROTAPE-120** is safe, non-toxic, and eco-friendly and presents no health hazard. As with all solvented chemicals, caution should always be exercised. Protective clothing such as gloves and goggles

**INHALATION:** Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency

**EYE CONTACT:** Flush eyes with water for 15 minutes and call for medical help.

**INGESTION:** causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce

**SKIN CONTACT:** Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

Technical Support:



& Polymertech UK Ltd.  
CN-07468396  
United Kingdom

**NOTE:-** We make no warranty either expressed or implied or statutory in this document except as expressly stated in any sale and purchase agreement entered into between the buyer and us. This document is a technical data information sheet. The information given in this sheet is to the best of our knowledge, true and accurate. However buyers are requested to confirm the same in their laboratories as test results may vary between two laboratories due to change in test conditions, purity of chemicals and personal error of chemists. Under the above conditions we are not liable for special, incidental or consequential damage.

**For further assistance kindly mail us :** support@starcoating.in

Marketed By:



**Star Coatings & Membranes Pvt. Ltd.**

New Delhi-110025, visit us at : www.starcoating.in, E-mail: info@starcoating.in



(ISO 9001:2000)