



# ACROTAPE- 150

## ANTICORROSIVE WATER PROOF & IMPACT RESISTANCE HS PW TAPE

### DESCRIPTION

**ACROTAPE-150** is a high build, high strength, 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-150** Can be used as a rust preventing, anticorrosive, water proof and Impact proof wrapping for steel tanks, GI pipes & protection of pipe insulation for buried system.
- 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, and fertilizer plant and paper industry.

### ADVANTAGES

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

### STORAGE

**ACROTAPE-150** 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 300C. Recommended storage temperature is between +50 to +300C. In tropical climates the product must be stored in an air-conditioned environment.

### TECHNICAL DETAILS

Property	Testing Method	Value
STANDARDS		Black/Blue
Backing color		
Backing type		PVC
Backing thickness, [microns]	ASTM D 1000	500
Total thickness, [mm]	ASTM D 1000	1.5
Tensile strength, [N/mm <sup>2</sup> ]	ASTM D 638	15.1
Elongation, [%]	BS 2782	271
Tear resistance, [N]	ASTM D 1004	36
Adhesion to primed steel, [N/mm]	ASTM D 1000	2-2.5
Adhesion to self, [N/mm]	ASTM D 1000	2-2.5
Impact resistance, [N.m]	DIN 30672	15.5
Di Electric strength, [Kv]	BS 2782	32
Insulation resistance, [giga ohms/m <sup>2</sup> ]	ASTM D 257	3.2
Volume resistivity [Ohms.m]	ASTM D 257	2.2 x 10 <sup>12</sup>
Cathodic disbondment resistance (mm)	ASTM G 8	<10
Water vapor transmission, [g/m <sup>2</sup> /24hrs]	ASTM E 96	< 0.4
Water absorption, [%]	ASTM D 570	<0.2
Resistance to bacterial attack	ASTM G 21	Excellent
Application temp, [°C]		- 5 to 45
Service temp, [°C]		-10 to 75
Storage temp, [°C]		- 5 to 30

All values given are subject to 5-10% tolerance

## 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; this 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 beads. 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.

## SAFETY

**ACROTAPE-150** 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:



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