

# BITUTAPE 100 PE

## Anti Corrosive Pipe Wrapping Tape

BITUTAPE 100 PE 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 very low

TDS\_Bitutape 100 PE\_GCC\_1115

### FEATURES

- ▶ Easy to apply
- ▶ Excellent adhesion
- ▶ Flexibility
- ▶ Resistance to Acid & Alkali

### APPLICATION INSTRUCTIONS

#### Surface Preparation

Remove any dirt, oil, grease, rust etc by suitable methods. Remove any metal burrs or weld spatter. Grit blast and remove any abrasion debris.

#### Priming

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

#### Wrapping

Following application instructions are for guideline 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 100 mm 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 **BITUSTICK R250** protection membrane is recommended to prevent any damage from backfilling.

### GENERAL

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 5°C. Tapes should be stored between 10°C and 30°C for at least two hours before application when ambient temperature is below 10°C. 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 40°C and avoid excessive load stacking. During the wrapping 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. Bitutape range of tapes is normally supplied in 10 m lengths. For machine wrapping these lengths are increased to suit the project and reduce the number of roll changes.

### STORAGE & SHELF LIFE

BITUTAPE 100 PE rolls should be stored under cover, out of direct sunlight and protect from extreme temperatures. Storage area should be cool, dry, well – ventilated and regularly monitored for temperature and major sources of heat. Shelf life is up to 12 month when stored as per recommended storage conditions.

### HEALTH AND SAFETY

As with all bitumen products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

## SUPPLY

BITUTAPE 100 PE	10m x 50mm x 1.2mm, wt0.9kg#
BITUTAPE PRIMER	20L pail

\* Refer to website for TDS

# Approximate weights

## TECHNICAL DATA

PROPERTIES	STANDARD	VALUE
Backing color		Black
Backing type	-	PE
Backing thickness	-	100 microns
Total thickness	-	1.2 mm
Tape Strength	ASTM D 638	40 N/cm
Elongation	ASTM D 638	> 250 %
Tear resistance	ASTM D 1004	> 20 N
Adhesion to primed steel	ASTM D 1000	> 2.0 N/mm
Adhesion to self	ASTM D 1000	> 2.0 N/mm
Water absorption	ASTM D 570	< 0.2 %
Resistance to bacterial attack	ASTM G 21	Good
Application temperature	-	+5 to +50°C
Service temperature	-	-10 to +75°C
Storage temperature	-	+5 to +30°C

All values given are subject to 5-10% tolerance

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Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

Manufactured in G.C.C.



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