



PROTECTING YOUR WORLD

STACwrap

STACwrap UW

Underwater Petrolatum Tape

Description

Non-woven, stitch-bonded, synthetic fabric carrier; fully saturated and coated with a neutral petrolatum compound blended with inert fillers and corrosion inhibitors. Can be formulated with broad spectrum Biocides.

Uses

Ideal for extremely Wet and/or Submerged environments. Protects pipes, "T"s, valves, flanges, and steel structures. Use in Wet Soil, Manholes, Wells, Cooling Towers, Water Tanks, Rivers, Ponds, and Underwater Applications. Profound Protection in Fresh Water locations. Structures and Pilings made of Steel, Concrete, and Timber. Secure with STACguard Overwraps and/or SPLASHpro Systems. Well-suited for Marine Applications..

Characteristics

STACwrap is stable in composition and plasticity over a wide temperature range. Can be Formulated with Biocides.

STACwrap is non-hardening and non-cracking, which accommodates vibrations and extreme movement of the substrate.

STACwrap is non-toxic, non-flammable with high dielectric strength and highly resistant to mineral acids, alkalis and salts.

Application

Spirally wrapped using a minimum 2.5 cm overlap. Where additional protection is required, and for all buried and submerged applications, the overlap should be increased to 55% to ensure a double thickness of material. For vertical applications, the wrap shall begin at the bottom and proceed upward – providing a "weatherboard" overlap. Requires STACguard Overwrap Protection and/or SPLASHpro System Outerwrap Jacketing or equivalent.

May apply longitudinally (i.e., "cigarette wrapped") when space is too restricted or confined to apply in the preferred spiral manner, with the overlap on the topside of the pipe – providing a "weatherboard" effect.

At the completion of each roll, smooth the overlaps by hand in the direction of the spiral to ensure sealing of the overlap. Maintain a 5 cm overlap when overlapping one roll with the end of a new roll. Overlap must occur on the top half of the pipe.

Particulars	Properties	Test Method
Thickness	1.0mm and 1.2mm	ASTM-D1000
Weight	>1.1 kg/m ² and >1.3kg/m ²	---
Tensile strength	200N / 50mm	ASTM-D1000
Cathodic disbondment	180 mm ² avg.	ASTM-G8
Dielectric rigidity (55% overlap)	≥ 16 kV	ASTM-D1000
Water vapor permeability	0.006 perms avg.	ASTM-E96
Resistance to Acids, Alkalies and Salts	Excellent	---
Application temperature	-5 to +55 °C	---
Operation temperature	-35 °C to +50 °C	---
Recommended Primer	STACfill STACprime UW	---

Compliant with ANSI/AWWA C217 STANDARD

Tape Dimensions			
Tape Width	m2/Roll	m2/Case	Pipe Diameter Range
50 mm	0.50	18	15 – 25 mm
75 mm	0.75	18	25 – 40 mm
100 mm	1.00	18	40 – 80 mm
150 mm	1.50	18	100 – 200 mm
200 mm	2.00	16	250 – 600 mm
300 mm	3.00	18	≥ 700 mm

* All rolls are 10 meters in length.

While all statements and data presented herein are believed to be accurate and reliable, they are given without expressed or implied warranty or guarantee unless otherwise stated.