

MECHANICAL PROTECTION CEMENT TAPE



PrimeSeal™

Description

PrimeSeal™ is a high quality woven fabric impregnated with special cement that is activated by water before application to be wrapped around pipe fittings, welds, elbows and connection joints.

PrimeSeal™ is mainly used to provide a mechanical protection against impact in both low-pressure water and sewage pipelines, and high-pressure oil and gas pipelines.



Properties

Color	White	Processing Time	4 - 10 minutes
Roll Length	20ft (6 m)	Setting Time	7 minutes at room temp. 71.6°F (22°C)
Roll Weight	1.54 lb (700 g)	Initial Curing Time	3 hours
Roll Width	4.7 in (12 cm)	Time Needed to Reach Full Strength	48 hours
Thermal Stability	Up to 590°F (310° C)	Final Curing Time	28 days

Technical Standards

ASTM G14 Mean Impact Resistance - 60.3 ± 11.0 in•lb (24 hours after application)

Benefits

- | | |
|-------------------------------|--|
| ✓ High impact resistance | ✓ Easy to process and apply on site |
| ✓ Economic and cost effective | ✓ Can be used to protect drinking water pipes |
| ✓ Environmentally friendly | ✓ Suitable for low and high pressure pipelines |

Packaging

12 Rolls in a cardboard box

45 boxes per pallet

Shelf Life

6 months after delivery note date.



Storage

Store in dry space at room temperature 71.6°F (22 °C) in leak and damp proof warehouse.







Place boxes on wooden pallets 8 in (20 cm) above the floor and about 20 in (50 cm) away from the surrounding walls to allow space for air circulation.

Health & Safety

The product contains cement powder which may cause skin irritation. Always use suitable protective gloves and wear appropriate clothing to prevent any possibility of skin contact. For additional information, consult the SDS.

Application

-  After preparing the treated area including applying the primer, wrapping the coating and conducting related tests, place the tape upright in cold water until completely soaked and no more bubbles appear.
-  Allow excess water to drain off then gently squeeze the tape with both hands to drain off excess water.
-  Start wrapping inward around the treated area of the pipe with light tension and 50% overlap until the first layer is reached.
-  Smooth excess cement by hand on the first layer before applying a new layer. Then, apply the second and following layers using the same instructions until the 8 layers are seamlessly completed.

Quantity Estimate Table

For desired impact protection, a layer of around 1/4 in (7 mm) thickness is necessary to be achieved by wrapping the tape in eight layers with 50% overlap. Please refer to the Quantity Estimate Table to determine the tapes quantities for your application. For unlisted sizes, please contact us.

Pipe Diameter (mm)	Pipe Diameter (in)	Tape per Joint (Pcs.)	Elbow D5 (90°) (Pcs.)
100	4	2	2
125	5	2	4
150	6	3	4
200	8	4	7
250	10	5	10
300	12	6	14
350	14	6	17
400	16	7	21
450	18	8	28
500	20	9	33
600	24	10	49
700	28	13	-
800	32	15	-
900	36	16	-
1000	40	18	-

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