

DENSOPOL 60 & 60HT TAPE

Heavy Duty PVC/Bitumen Fabric-Reinforced Tape

Description

Densopol 60 & 60 HT is a cold applied, synthetic fabric reinforcement coated with rubber bitumen adhesive and backed with a PVC film.

Uses

For the corrosion protection of buried or immersed pipes and fittings. Used for external joint sealing to prevent backfill infiltration in concrete pipes, culverts and crown units. The tapes can be applied by hand to weld joints, bends, bare pipe lengths and pipe fittings.

Features

- Applied to marginally prepared surfaces (SSPC SP 2-3)
- Cold applied
- Good conformability
- Good impact resistance
- Excellent adhesion to pipe and self
- Excellent resistance to cathodic disbonding
- Compatible with common pipe coatings

Application

Prepare steel to St2 (power brushed)/AS 1627 P.2 (minimum). Surface must be clean, dry and free of grease. Apply thin film of Denso Primer D to all surfaces to be protected and allow to dry. Peel back interleaving and apply adhesive side of the tape to the primed surface and press down. Apply the tape spirally with enough tension to make it conform. Remove interleaving as wrapping proceeds. Overlap each turn by 55% to achieve double thickness.

Irregular surfaces such as valves, flanges, etc. may require the use of Denso Bitumen Mastic, Denso Mastic or Denso Profiling Mastic. Refer to the product sheets for these specific products for information on application and selection.



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Property Specifications

PROPERTIES	DENSOPOL 60 VALUE	DENSOPOL 60HT VALUE
Thickness (ASTM D1000)		
Backing	<i>0.085 mm</i>	<i>0.085 mm</i>
Adhesive	<i>1.515 mm</i>	<i>1.515 mm</i>
Total	<i>1.60 mm</i>	<i>1.60 mm</i>
Weight	<i>1.8 kg/m²</i>	<i>1.8 kg/m²</i>
Breaking Strength (ASTM 1000)	<i>8 N/mm</i>	<i>8 N/mm</i>
Tear Strength (ASTM 1004)	<i>20 N</i>	<i>20 N</i>
Elongation @ Break	<i>22%</i>	<i>22%</i>
Adhesion Peel Strength (ASTM D1000)		
To Primed Steel	<i>2.5 N/mm</i>	<i>3.0 N/mm</i>
To Self	<i>2.5 N/mm</i>	<i>2.5 N/mm</i>
Impact Strength (ASTM G-14)	<i>4 N/mm</i>	<i>5 N/mm</i>
Dielectric Strength	<i>20 kV</i>	<i>20 kV</i>
Resistance to Cathodic Disbondment (ASTM G-8 30 Days Group B)	<i>350 mm² avg.</i>	<i>350 mm² avg.</i>
Temperature Range		
For Application	<i>5°C to 45°C</i>	<i>15°C to 50°C</i>
For Service	<i>60°C</i>	<i>75°C</i>
Recommended Holiday Test Voltage		
Single Layer	<i>10 kV</i>	<i>10 kV</i>
Double Layer	<i>15 kV</i>	<i>15 kV</i>
Roll Widths	<i>50, 100, 150 mm</i>	<i>50, 100, 150 mm</i>
Roll Length	<i>10 m</i>	<i>10 m</i>
Recommended Primer	Denso Primer D	Denso Primer D
Color (Backing)	Black	Black

Quantity Estimates

Tape Width	Tape Length	Rolls/Case	Coverage with 55% Overlap
in.	ft.	ea.	ea.
2" (50 mm)	33' (10 m)	24	59 ft ² (5.5 m ² /case)
4" (100 mm)	33' (10 m)	12	59 ft ² (5.5 m ² /case)
6" (150 mm)	33' (10 m)	8	59 ft ² (5.5 m ² /case)



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