

DENSOCLAD 50 & 50HT TAPE

Durable PVC/Bitumen Pipeline Tape

Description

Densoclad 50 & 50 HT is a cold applied thick polymer bitumen adhesive, laminated to a tough plasticized PVC backing.

Uses

For the anti-corrosion protection of buried or immersed pipes and fittings. The tapes can be applied by hand or machine 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 surfaces by removing all loose scale, rust or other foreign matter by grit blasting or wire brush. Surface must be clean, dry and free of grease. Apply thin film of Denso Primer D to all surfaces to be wrapped 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 at least 1" or 55% to achieve double thickness.

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



Densoclad 50 & 50HT Tape

Property Specifications

| PROPERTIES | DENSOCCLAD 50 | | DENSOCCLAD 50HT | |
|-------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| | English | Metric | English | Metric |
| Thickness (ASTM D1000) | | | | |
| Backing | 15 mils | 0.37 mm | 15 mils | 0.37 mm |
| Adhesive | 35 mils | 0.75 mm | 35 mils | 0.75 mm |
| Total | 50 mils | 1.12 mm | 50 mils | 1.12 mm |
| Weight | .27 lbs/ft ² | 1.3 kg/m ² | .27 lbs/ft ² | 1.3 kg/m ² |
| Breaking Strength (ASTM 1000) | 34.2 lbf/in. | 6 N/mm | 34.2 lbf/in. | 6 N/mm |
| Tear Strength (ASTM 1004) | 4.5 lbf | 20 N | 4.5 lbf | 20 N |
| Elongation @ Break | 260% | 260% | 260% | 260% |
| Adhesion Peel Strength (ASTM D1000) | | | | |
| To Primed Steel | 14.3 lbf/in. | 2.5 N/mm | 14.3 lbf/in. | 2.5 N/mm |
| To Self | 14.3 lbf/in. | 2.5 N/mm | 14.3 lbf/in. | 2.5 N/mm |
| Impact Strength (ASTM G-14) | 3.69 ft lb | 5 Nm | 3.69 ft lb | 5 Nm |
| Dielectric Strength | 20 kV | 20 kV | 20 kV | 20 kV |
| Maximum Service Temperature | 140°F | 60°C | 167°F | 75°C |
| Recommended Holiday Test Voltage | | | | |
| Single Layer | 10 kV | 10 kV | 10 kV | 10 kV |
| Double Layer | 15 kV | 15 kV | 15 kV | 15 kV |
| Roll Widths | 2", 4", 6" | 50, 100, 150 mm | 2", 4", 6" | 50, 100, 150 mm |
| Roll Length | 40 ft | 12 m | 40 ft | 12 m |
| Recommended Primer | Denso Primer D | | Denso Primer D | |

Quantity Estimates

| Tape Width | Tape Length | Rolls/Case | Coverage with 1" Overlap | Coverage with 55% Overlap |
|------------|-------------|------------|--------------------------|---------------------------|
| 2" | 40' | 12 | 36 ft ² /case | 36 ft ² /case |
| 4" | 40' | 8 | 80 ft ² /case | 48 ft ² /case |
| 6" | 40' | 4 | 67 ft ² /case | 36 ft ² /case |



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