



DENSOCLAD™ COLD-APPLIED TAPES

PROTECTION FOR BURIED OR IMMERSED PIPES AND FITTINGS

TAPES FOR:
Weld Joints
Bends
Fittings
Pipe
Pipeline Rehabilitation
Pipeline Coating Repair and more





**HIGH PERFORMANCE, HEAVY-DUTY
PVC-REINFORCED RUBBER BITUMEN
ADHESIVE TAPES FOR THE CORROSION
PREVENTION OF BURIED OR IMMERSSED
PIPES AND FITTINGS.**

Densoclad™ Tapes can be applied by machine or hand to welded joints, bends, pipe and pipe fittings. Long rolls are available for factory application.

FEATURES:

- Cold-applied
- Good impact resistance
- Printed centre line for easy wrapping
- Good conformability in all grades
- Excellent adhesion to pipe
- Compatible with common pipe coatings
- Excellent resistance to cathodic disbonding
- Resistant to acids, alkalis and salts
- A component of Denso’s recommended system for P2 Civil Engineering Specification for Water Industry, 7th Edition



DENSOCLAD TAPE



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Densoclad™ Tapes consist of a thick polymer bitumen adhesive, giving superior adhesion and flexibility, laminated to a tough plasticised PVC backing.

The PVC thickness is selected to give several grades to suit different requirements of mechanical strength and conformability. The adhesive layer is protected by an interleaving, wider than the tape, which is discarded during application.

PRODUCT GRADES

Densoclad 40™ and Densoclad 40HT™

Designed for the protection of small to medium diameter pipes, welded joints, bends and fittings.

The combination of extremely conformable PVC backing and polymer bitumen adhesive ensures good contact with the metal substrate and excellent adhesion to resist displacement or damage. Densoclad 40HT is a high temperature version designed for tropical climates.

Densoclad 50™ and Densoclad 50HT™

A medium-duty tape, designed to protect small to medium diameter pipes, welded joints, bends and fittings.

Without sacrificing conformability, the thicker PVC backing provides excellent resistance to damage during handling and backfilling. Densoclad 50HT is a high temperature version designed for tropical climates.

Densoclad 70™ and Densoclad 70HT™

A robust heavy-duty tape designed for the protection of medium to large diameter pipes, welded joints, bends and fittings for below ground or immersed environments. The extremely tough PVC backing combined with polymer bitumen adhesive ensures complete protection and exceptional resistance to damage by impact, poor backfill or aggressive ground conditions. Densoclad 70HT is a high temperature version designed for tropical climates.

Also available is Densoclad 70S™, which has a stiffer PVC backing.

| Densoclad Tape | Roll length | Roll widths | Total thickness (ASTM D1000) |
|----------------|-------------|-------------|------------------------------|
| 40 | 15m | 50 - 300mm | 1.050mm |
| 40HT | 15m | 50 - 300mm | 1.050mm |
| 41HT | 15m & 30m | 50 - 300mm | 1.050mm |
| 50 | 12m | 50 - 300mm | 1.12mm |
| 50HT | 12m | 50 - 300mm | 1.12mm |
| 55HT | 12m | 50 - 300mm | 1.12mm |
| 70 | 12m | 50 - 150mm | 1.650mm |
| 70HT | 12m | 50 - 150mm | 1.650mm |
| 70S | 12m | 50 - 150mm | 1.650mm |

RELATED PRODUCTS

Denso Primer D™

A fast-drying bitumen based primer for all surfaces, prior to the application of Densoclad 40, 50 and 70 Tapes (including high temperature grades designed for tropical climates).

Densyl™ Mastic

Cold-applied for moulding around irregular profiles (couplings, flanges, valves) to provide a contour suitable for wrapping. It is a petrolatum compound containing inert siliceous fillers and vegetable fibres. Contains no volatile organic solvents.

Denso Profiling Mastic™

Petrolatum compound containing beads of cellular polymer and flow control additives. Contains no volatile organic solvents.

Outerwraps

Where additional mechanical protection is required, Denso offer a full range of outerwraps which provide extra mechanical resistance or additional UV protection.

Densoclad Tape is a component of Denso's recommended systems for P2 specifications covering the protection of ferrous pipes, joints and fittings within the water industry.



DENSYL MASTIC



DENSOCLAD TAPE WRAPPED OVER A FLANGE



DENSO PVC SELF-ADHESIVE TAPE IN BLACK (ALSO AVAILABLE IN YELLOW & SILVER-GREY)

APPLYING THE DENSO P2 SYSTEM™

1. Cleaning

Clean the surface thoroughly by removing all loose scale, rust, dirt etc. Ensure that the pipe and any joints are as dry as possible.

2. Priming

Prime the cleaned area with Denso Primer D, in preparation for the Densoclad Tape.

3. Profiling

Apply Denso Profiling Mastic or Densyl Mastic around and between all bolts and to fill all hollows and voids. Continue to apply mastic until the valve or fitting has a smooth profile suitable for wrapping.

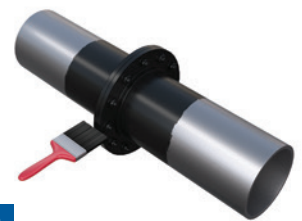
4. Wrapping

Peel back about 0.5mm of interleaving and apply adhesive side of the tape to the primed surface and press down.

Next, spirally wrap the tape with tension making sure a 55% overlap is achieved which ensures a double wrap at all areas. Where there are joints, be sure to start from the middle, complete a circumferential wrap and continue wrapping towards the pipe on one side and then repeat on the other side. Smooth out all air pockets and wrinkles. On each side of the joint or fitting the tape shall extend along 150mm of the barrel of the pipe.



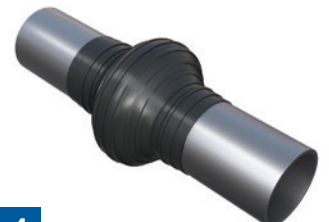
1
Clean surface thoroughly with wire brush



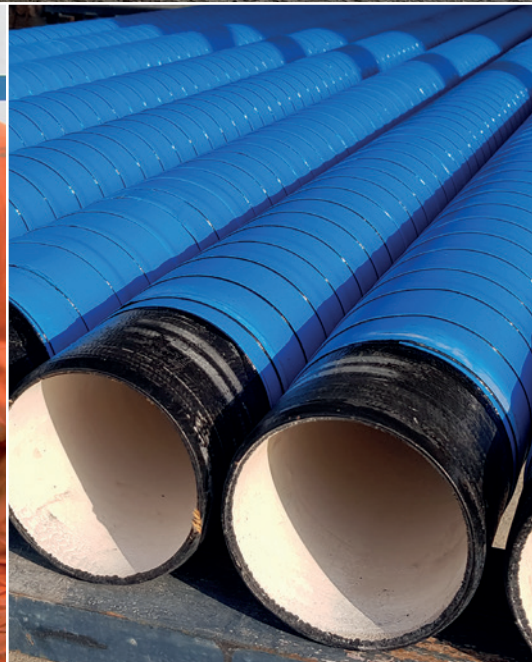
2
Apply Denso Primer D with brush. Protective gloves must be worn



3
Denso Profiling Mastic or Densyl Mastic is applied



4
Densoclad Tape is applied, wrapped with a 55% overlap



PUB No. 480.04.2020

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