



DENSO™ PROTECTION OF TIE BARS AND CABLES

PROTECTION FOR BURIED OR EXPOSED TIE BARS, CABLES, MACALLOY BARS AND TENDONS





A RANGE OF CUSTOMISABLE SYSTEMS OFFERING EFFECTIVE CORROSION PREVENTION AND PROTECTION FROM MECHANICAL DAMAGE FOR BURIED OR EXPOSED TIE BARS, CABLES, MACALLOY BARS, TENDONS AND MORE.

FEATURES:

- Minimal surface preparation required
- Can be applied by hand or machine wrapping
- Allows for movement of the rods e.g. flexural or post tensioning
- Highly conformable



TIE BARS WRAPPED WITH DENSOPOL TAPE

Several corrosion prevention systems are available depending on the condition of the tie bar surface and/or the level of mechanical protection required.

SYSTEM FOR NEW TIE BARS

This is a two-part system consisting of primer and tape.

Denso Primer D™

A fast-drying bitumen based primer for all surfaces, prior to the application of Densopol Tapes.

Densopol 60™ Tape / Densopol 60HT™ Tape

A synthetic fabric reinforcement coated with rubber bitumen adhesive compound and backed with a conformable PVC film. Densopol 60HT Tape is available for use in tropical climates.



MACALLOY BARS PROTECTED WITH DENSO PVC SELF-ADHESIVE TAPE



WRAPPED TIE BARS IN SITU

SYSTEM FOR CONTAMINATED OR RUSTY TIE BARS

This is a three-part system consisting of primer, tape and a choice of outerwrap. An optional additional mastic is also available.

Denso Paste™

A soft petrolatum-based paste for the preparation of metal surfaces prior to the application of Denso petrolatum tapes.

Denso™ Tape

A cold-applied, petrolatum-based tape used as an effective corrosion prevention solution on tie bars and post tension cables.

For tropical climates, Denso Tape should be replaced with Densyl™ Tape.

Densyl™ Mastic

A cold-applied self-supporting mastic recommended for use on turnbuckles. This is an optional addition.



TIE BARS WRAPPED WITH DENSOPOL TAPE

OUTERWRAP FOR HEAVY-DUTY PROTECTION

Densopol 60™ Tape / Densopol 60HT™ Tape

A synthetic fabric reinforcement coated with rubber bitumen adhesive compound and backed with a conformable PVC film. Densopol 60HT Tape is available for use in tropical climates.

OUTERWRAP FOR LIGHT-DUTY PROTECTION

Denso PVC Self-Adhesive Tape™

Denso PVC Self-Adhesive Tape is a PVC sheeting coated on one side with a rubber resin, pressure sensitive adhesive. Tough and conformable, it may only be used as an outerwrap in areas where the risk of mechanical damage is slight, i.e. in ducts or above ground.

TIE BAR SYSTEMS APPLICATION

1. Cleaning and Priming

Clean the surface thoroughly by hand tool, removing all loose scale, rust, dirt etc. Ensure that the tie bar is as dry as possible.

Prime the cleaned area with Denso Paste by gloved hand or brush.

2. Applying Denso Tape

Next, spirally wrap the Denso Tape with tension making sure a 55% overlap is achieved which ensures a double wrap at all areas. Smooth the tape surface to ensure overlaps are completely sealed.

3. Applying Densopol 60 Tape

Apply spirally over the Denso Tape. The overlap should be 55% to give a double thickness. Ensure the tape is in good contact with the surface and that no air pockets or voids are formed. Ensure that all the tape edges are firmly sealed down. Gentle warming with a hot air blower may be used to assist the application below 15°C.

4. Applying Denso PVC Self-Adhesive Tape

Finally, spirally wrap the Denso PVC Self-Adhesive Tape with a 55% overlap. Ensure that there are no air pockets or voids and that all the tape edges are sealed down.



MACALLOY BARS PROTECTED WITH DENSO PVC SELF-ADHESIVE TAPE



DENSO TAPE

DENSOPOL TAPE



DENSOPOL TAPE & DENSO PVC SELF-ADHESIVE TAPE



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