

DENSO PETROLATUM TAPES

Covering: DENSO™ TAPE, DENSO LT™ TAPE, DENSYL™ TAPES, HOTLINE™ TAPE
DENSOPOL 4 KF™ TAPE, DENSOPOL PN™ TAPE, DENSO WB™ TAPE

INSTRUCTIONS FOR USE

Use: For the protection of fittings and similar structures from corrosion above ground, buried or immersed. To protect the metal structure from the environment the tapes must cover the entire surface.

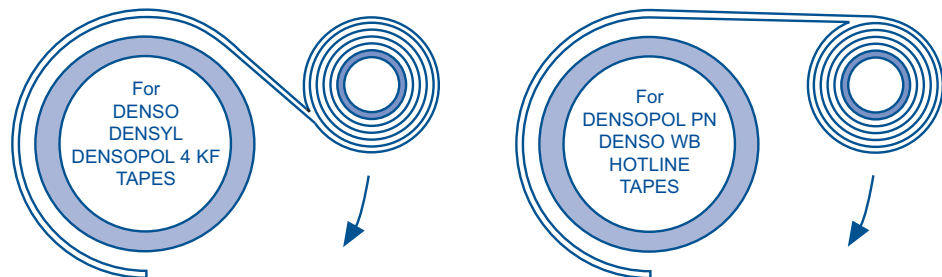
Surface Preparation: Surfaces must be clean and dry. Remove all loose rust, scale and flaking coatings by scraping, wire brushing or blast cleaning.

Minimum surface preparation for HOTLINE™ TAPE is St2 thorough hand/power tool cleaning.

Priming: For small diameter pipes and fittings (e.g. service pipes) apply DENSO PASTE™ by gloved hand in a thin layer over the entire surface including threads, crevices and pitted areas. For larger areas, brush DENSO PRIMING SOLUTION™ over the entire area.

HOTLINE TAPE does not require a primer.

Diagram of the correct application procedure



Application (a) Pipes, Rods and Cables:

Select as wide a width of tape as practical, e.g. 75mm wide for 75mm diameter pipe. For buried or immersed applications apply tapes with 55% overlap to give double thickness. For above ground use overlap tapes by 15mm for widths up to 150mm and 25mm for wider tapes. Press the end of the tape firmly onto the pipe and unroll the tape around the pipe spirally, overlapping itself. Apply sufficient tension to conform the tape to the surface without gaps. Do not overstretch. Start a new roll by overlapping the ends by one tape width. Press down all folds and smooth the entire area with special attention to the overlaps.

(b) Butt Welded Joints:

As (a) but apply one circumferential turn around the pipe with half the tape width covering the existing pipe coating and half on the bare joint area. Continue to apply the tape spirally with 55% overlap across the joint area until it overlaps the existing pipe coatings by half its width. Complete the wrapping with one circumferential turn.

(c) Elbows, Tees, Flanges etc:

Carefully bandage the fitting, pressing down folds and avoiding air gaps. Cover the whole fitting with at least two layers continuing onto the pipe coating either side. At large changes of diameter, bolts and internal angles, make the profile more suitable for wrapping by applying DENSYL™ MASTIC as a fillet at angles and around bolts. Wrap the profiled joint as above ensuring the tape does not bridge gaps.

For elevated temperatures, DENSOSEAL 16A™ mastic is recommended.



90 YEARS OF PIPELINE PROTECTION

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(d) Coating Repairs:

Cut away and remove loose coating from the damaged area and smooth or chamfer edges. Prime the exposed metal. For thick coatings, build up the depression with patches of tape or DENSYL MASTIC. Wrap the section of pipe as (a) continuing at least 50mm either side of the damaged area.

Overwrapping:

For further protection, a separate overwrap of DENSO PVC SELF-ADHESIVE TAPE™ or DENSOPOL 80™ TAPE may be applied spirally over the petrolatum tape. Consult our Technical Sales Department for advice on selection and application of overwraps.

Inspection:

Ensure that the entire surface is covered with no gaps or air pockets. DENSO™ TAPE and DENSYL™ TAPES cannot be holiday tested due to soft surface. However, DENSO TAPE or DENSYL™ TAPE with a DENSO PVC SELF-ADHESIVE TAPE outerwrap applied with a 55% overlap can be holiday tested to 10kV. DENSOPOL 4 KF™ TAPE, DENSOPOL PN™ TAPE and DENSO WB™ TAPE can be holiday tested at 5kV for single thickness and 10kV for double thickness. For further advice on using these products consult the Technical Sales Department.

Storage:

Store correct way up in original packaging. Store in a cool, dry place away from heat and open flames.

Transport:

No special precautions necessary. Not classified as hazardous for transport.

Handling:

Wear gloves to avoid contact with skin.

Wash thoroughly with soap and water after use and before work breaks to remove compound from the skin.

Careful attention should be given to personal hygiene.

Change and clean soiled clothing

Action in case of

Fire:

Extinguish with dry powder, carbon dioxide or chemical foam.
Air breathing equipment may be necessary in large fires.

Skin Contact:

Wash with warm water and mild soap. Do not use solvents.

Safety Data:

Consult SDS for further information.

Disposal:

Please minimise or avoid waste wherever possible. Please do not discard waste material, including packaging, in the surrounding environment. Follow all relevant legislation for disposal.



ISO 9001 Certified



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