






Special advantages:

-  For operating temperatures of -40°C (-40°F) to +110°C (+230°F).
-  For temperatures of -50°C (-58°F) to +120°C (+248°F).
-  High plasticity and flexibility.
-  Electrically insulating and diffusion resistant.
-  No preheating of the surface required.

Cold applied corrosion prevention tape for mechanically unstressed pipelines and pipeline components at operating temperatures up to +110°C (+230 °F).

For a century now, DENSO Group Germany has been representing experience, quality and reliability for corrosion prevention and sealing technology. The success of the internationally leading corporation is based on the development of the "DENSO-Tape", which was already patented in 1927 as the first product worldwide for the passive corrosion prevention of pipelines. Since then, the DENSO Group Germany has been establishing and guaranteeing the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees continuously implement safe and individual solutions in a personal cooperation with the customer.

Description

DENSO[®]-Cal is a corrosion prevention tape that can be processed cold on the basis of polymer modified petrolatum.

DENSO[®]-Cal consist of an impregnated polyester fabric, which is coated on both sides with a corrosion prevention petrolatum mastic. The petrolatum mastic is stabilized by polymer additives and therefore permits application temperatures of up to +110°C (+230°F).

DENSO[®]-Cal has a peel strength, which is exceptional for petrolatum tapes, even for higher temperatures, and provides a good flexibility. In addition DENSO[®]-Cal provides a single side

laminated PP film, which prevents a washing out of the protective mass, e.g. caused by rising or falling groundwater. DENSO[®]-Cal will be wrapped in spirals with the film side to the outside and with at least 50% overlapping around the pipe.

DENSO[®]-Cal is ideally suited for the encasing of pipelines and a pipeline armatures, which carry hot media and which are located in warm environments.

DENSO[®]-Cal can also be applied to surfaces that are not preheated. For surface temperatures of less than +50°C

(+122°F), a coating of the surface takes place initially with the **DENSO[®]-Cal Primer**, a petrolatum mastic that can be processed easily by hand, which achieves a fast and complete coverage of the surface and a good adhesive connection to the DENSO[®]-Cal tape.

A rockshield **DEPROTEC[®]-DRM PP** or the polyurethane glass fiber fabric **DEPROTEC[®]-PUR** can be applied across the encasement to achieve an increased mechanical protection.

Typical product properties

Property	Unit	Typical value	Test method
Thickness	mm	≥1.2	-
Color	-	red	-
Specific electrical insulation resistance	Ohm m ²	≥10 ⁶	EN 12068
Carrier		Polyester Fabric	-
Thickness PP laminate film	µm	40	
Elongation at break	%	≥15	-
Dripping point	°C (°F)	≥130 (≥266)	DIN ISO 2176
Processing temperature	Tape	+5 to +50 (+41 to +122)	-
	Pipe surface	+40 to +110 (+104 to 230)	-
	Pipe surface (with primer)	-10 to +50 (+14 to +122)	-
For temperatures of	°C (°F)	-50 to +120 (-58 to +248)	-

Ordering information and packaging

Roll length 10 m

Roll width (mm)	Rolls per box	Tape length per box (m)	Tape surface per box (m ²)	Weight per box app. (kg)
50	12	120	6	9,5
100	6	60	6	9,5
150	6	60	9	14

Additional dimensions available on request.

Storage

When stored in its original, unopened packaging, **DENSO®-CaI** can be stored for at least 60 months after the manufacturing date.

Storage temperature: ≤ +40°C (+104°F)

The product must be stored dry, without load on the front surface.

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