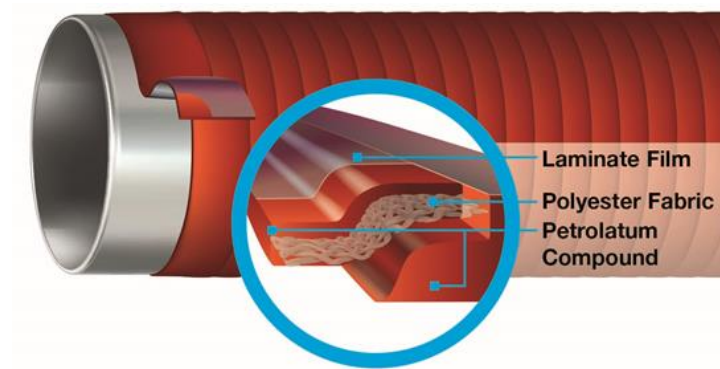







PLASTELEN[®]-Cal

Product information



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).

DEKOTEC GmbH stands for experience, quality and reliability in the field of corrosion prevention and sealing technology. The success is based on the development of the Petrolatum-Tape which was already developed in 1927 as the first product worldwide for passive corrosion prevention of pipelines. We establish and guarantee the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees are continuously implementing safe and individual solutions in a personal cooperation with the customer.

Description

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

PLASTELEN[®]-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).

PLASTELEN[®]-Cal has a peel strength, which is exceptional for petrolatum

tapes, even for higher temperatures, and provides a good flexibility. In addition PLASTELEN[®]-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. PLASTELEN[®]-Cal will be wrapped in spirals with the film side to the outside and with at least 50% overlapping around the pipe.

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

PLASTELEN[®]-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 **PLASTELEN[®]-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 PLASTELEN[®]-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, **PLASTELEN®-Cal** 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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