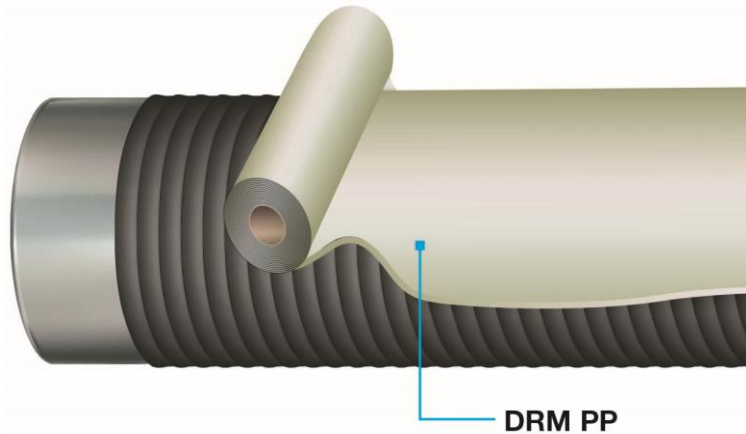


DEPROTEC®-DRM PP 609

DEPROTEC®-DRM PP 809



Product information



Special advantages:

- Heat resistant.
- High mechanical resistance.
- Easy application.
- Resistant to rotting even in aggressive soils.
- Water and current permeable.
- Shock-absorbing and load-distributing.

Non-woven material made from plastic fibres to provide additional mechanical protection for corrosion prevention coatings on steel and cast iron pipelines, plastic pipes and plastic casing pipe connections in district heating systems.

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.

Product description

The **DEPROTEC®-DRM PP609 & 809** rockshields are robust non-woven materials made from PP (809) and PP/PET fibres (609) designed to provide additional mechanical protection for field joint and factory coatings. DEPROTEC®-DRM PP609 & 809 boast high mechanical resistance and an outstanding ability to cope with high temperatures. Good permeability

for soil electrolytes guarantees undisturbed cathodic corrosion prevention along the pipeline.

DEPROTEC®-DRM PP609 & 809 form a reliable separating layer between the pipeline coating and the surrounding earth, ensuring that the load applied to the coating is minimised if the pipeline moves, for example as a result of temperature fluctuations.

DEPROTEC®-DRM PP609 & 809 can be used with high thermal loads $>+50^{\circ}\text{C}$ ($+122^{\circ}\text{F}$).

DEPROTEC®-DRM PP609 & 809 rockshields permit the partial or total omission of sand backfilling, depending on the soil conditions. All applicable standards and regulations relating to pipe embedding, trench backfilling and soil compacting must be followed.

Processing

DEPROTEC®-DRM PP is wrapped loosely around the object to be protected and joined at the overlap points by applying slight heat and pressure. The overlap should be approximately 10 cm wide. To

provide additional mechanical protection on welding seams, cutting widths of at least 500 mm are used to ensure that the field joint coating and the adjacent factory coating are covered. To

provide additional mechanical protection along entire pipe runs, **DEPROTEC®-DRM PP** is rolled onto the pipe horizontally and welded along the longitudinal overlap.

Typical product properties

Properties	Unit	DEPROTEC®-DRM PP Typical value		Test method
		609	809	
Weight per unit area	g/m ²	900	900	EN ISO 9864
Thickness	mm	6	6	EN ISO 9863-1
Elongation at break (longitudinal/transverse)	%	87/92	>80	EN ISO 10319
Tensile strength (longitudinal/transverse)	kN/m	20/21	45/35	EN ISO 10319 DIN53.587-2
Static puncture force (CBR)	kN	5	-	EN ISO 12236
Colour	-	white	white	-
Operating temperature	°C (°F)	-50 to +100 (-58 to +212)	-50 to +100 (-58 to +212)	-
Resistant against	-	Diluted acids and lyes, brines, soil bacteria		-

Ordering information and packaging

Product	Roll width (mm)	Available roll lengths
DEPROTEC®-DRM PP 609	1200	50.0 m
DEPROTEC®-DRM PP 809	1200	50.0 m

Other dimensions available on request.

Storage

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

Storage temperature: ≤+50°C (+122°F)

Store in a dry and frost-free location.

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