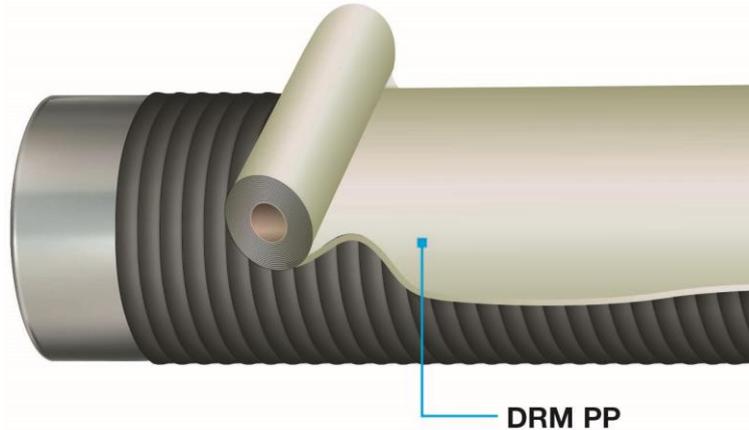


DEPROTEC®-DRM PP800 Plus DEPROTEC®-DRM PP2000 Plus



Product information



Special advantages:

- Heat resistant up to +100°C (+212°F).
- 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

DEPROTEC®-DRM PP800 PLUS & 2000 PLUS rockshields are made from specially designed polypropylene and polyester fibre non-woven materials to provide additional mechanical protection on field joint and factory coatings.

DEPROTEC®-DRM PP800 PLUS & 2000 PLUS 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 PP800 PLUS & 2000 PLUS 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 PP800 PLUS & 2000 PLUS can be used at elevated temperatures of up to +100°C (+212°F).

DEPROTEC®-DRM PP800 PLUS & 2000 PLUS 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
		800 Plus	2000 Plus	
Weight per unit area	g/m ²	800 (-10%)	2000 (-10%)	EN ISO 9864
Thickness	mm	6,2 (±20%)	14 (±20%)	EN ISO 9863-1
Elongation at break (longitudinal/transverse)	%	>50/>50	>50/>50	EN ISO 10319
Tensile strength (longitudinal/transverse)	kN/m	26/34 (-13%)	55/130 (-15%)	EN ISO 10319
Static puncture force (CBR)	kN	5 (-15%)	20 (-20%)	EN ISO 12236
Static puncture force	kN	3,6 (-20%)	10 (-30%)	NF G-38019
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		-
GdF stress class	-	Class 0	Class TR	-

Recommended widths

External diameter of pipe		Recommended width (mm)		External diameter of pipe		Recommended width (mm)	
(inch)	(mm)	DEPROTEC®-DRM PP800 Plus	DEPROTEC®-DRM PP2000 Plus	(inch)	(mm)	DEPROTEC®-DRM PP800 Plus	DEPROTEC®-DRM PP2000 Plus
≤3"	≤88.9	500	500	24"	609.6	2100	2100
4"	114.3	500	600	26"	660.4	2200	2300
5"	139.7	600	700	28"	711.2	2400	2500
6"	168.3	700	700	30"	762.0	2600	2600
8"	219.1	800	1000	32"	812.8	2700	2800
10"	273.0	1000	1100	34"	863.6	2900	2900
12"	323.9	1200	1200	36"	914.4	3000	3100
14"	355.6	1300	1300	38"	965.2	3200	3300
16"	406.4	1400	1500	40"	1016.0	3400	3400
18"	457.2	1600	1700	42"	1066.8	3500	3600
20"	508.0	1800	1800	44"	1117.6	3700	3700
22"	558.8	2100	2100	46"	1168.4	3800	3900

Ordering information and packaging

Product	Roll width (mm)	Roll length (mm)
DEPROTEC®-DRM PP800 Plus	500, 800, 1000, 1200, 1400, 1800 and 2100	50
DEPROTEC®-DRM PP2000 Plus	1000	30

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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