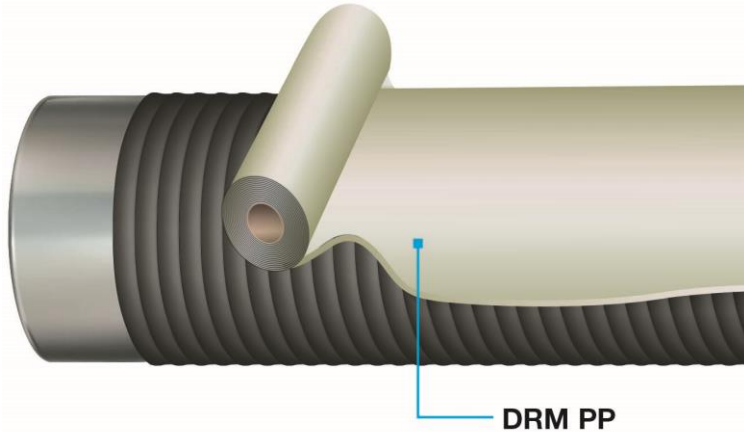


DEPROTEC®-DRM PP800 Plus DEPROTEC®-DRM PP2000 Plus



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.

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.

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.

DEKOTEC GmbH

Felderstrasse 24 | 51371 Leverkusen | Germany
Phone: +49 214 2602-0 | info@dekotec.com
www.dekotec.com

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