



Special Advantages

- mechanically highly resistant
- easy to apply
- suitable for cathodic protection

UCC Rockshield DRM-PP 1000 Plus

Chemical fibre fleece material for the extra mechanical protection of corrosion

protective coatings. For use on underground pipes and pipelines made of plastics,

steel, ductile iron and also district heating systems.

Description

DRM-PP 1000 Plus is a PP-based fleece material with high mechanical and thermal stability. As DRM-PP 1000 Plus is highly permeable to soil electrolytes, it does not interfere with cathodic protection systems. DRM-PP 1000

Plus has especially been designed for added mechanical protection of on-site wrappings but also factory-applied coatings, particularly in cases where thermal stresses go beyond DIN 30672 / DIN EN 12068.

In case of pipe movement due to alternating operating temperatures or in case of clay soil UCC Rockshield 1000 Plus effectively decouples the pipe from surrounding soil and prevents the coating from being sheared off.

Use

UCC Rockshield DRM-PP 1000 Plus is tightly placed around the object to be protected and fused in the overlap-area using a light propane torch flame. A minimum overlap of 10 cm is recommended. For the mechanical protection of welded joints, mats of 500 mm width are used to cover

the joint wrapping and the adjacent factory applied coating. For extra mechanical protection of complete pipelines, rolls of 25m length and up to 5000 mm width can be used. The Rockshield roll is unwound longitudinally and tightly wrapped around the pipe, the overlap is then fused using a

soft propane flame. For shorter pipe sections, pipes with a diameter of more than DN 1400, Rockshield mats are applied in segments of 1000 mm or 2000 mm width and cut to a length according to pipe diameter. The individual Rockshield sections are also fused with a minimum overlap of 10 cm.

Properties

Property	Unit	Typical value
Weight	g / m ²	1000
Thickness (2 kPa load)	mm	7,0
Elongation at break (lengthwise / transverse)	%	70 / 40
Tear resistance (lengthwise / transverse)	N / 10mm	365 / 950
Plunger puncture force	kN	> 10
Colour	-	white
Thermal stability	°C	-50 up to +100
Spec. electrical insulation resistance	Ohm x m ²	< 1
Resistant to	-	diluted acids, alkaline solutions, salt solutions, hydrocarbons, soil bacteria

Quantities Required

Full pipe protection
Rolls for lengthwise overlap
Length 25 m

Welded joints (Cut width 500 mm) and segment overlap (Cut width 1000 and 2000 mm)

Pipe diameter		Cut width
DN	[mm]	[m]
50 – 100	< 115	0,50
125	133	0,50
150	169	1,00
200	220	1,00
250	273	1,00
300	324	1,50
350	356	1,50
400	406	1,50
500	508	2,00
600	610	2,00
700	712	Special width upon request
800	813	
900	915	
1000	1016	
1200	1220	
1400	1420	

Pipe diameter		Cut length
DN	[mm]	[m]
25 - 50	< 61	0,30
50 – 100	< 115	0,50
125	133	0,60
150	169	0,70
200	220	0,80
250	273	1,00
300	324	1,20
350	356	1,30
400	406	1,40
500	508	1,70
600	610	2,00
700	712	2,35
800	813	2,65
900	915	3,00
1000	1016	3,30
1200	1220	4,00
1400	1420	4,65
1600	1620	5,20
1800	1820	5,85
2000	2020	6,45

Units and Packing

Rolls or cut lengths/widths packed in plastic film.

Universal Corrosion Coatings Pty Ltd
16 Sperry Drive, Tullamarine Victoria, Australia 3043
Ph: 61 3 9310 3515 Fax: 61 3 9310 3524 Web: www.unicc.com.au

The above information is given in good faith based on data and knowledge considered to be true and accurate and is offered for the user's assistance.