

## COOLPRO RFPP 1.14mm

RFPP is an UV stabilised flexible reinforced Polypropylene Geomembrane which is not prone to stress cracking as opposed to HDPE.

The reinforcement ensures for high mechanical properties relating to tear and puncture resistance which makes it easier to handle.



### Material warranty of 10 Years

Tested Property	Unit	Test Method	Values ( * )
<b>Coated Fabric</b>			
Thickness (±10%)	mm		1.14
Colours	---		Tan / Black Black / Black
Coating Type	---		Polypropylene
Coating Distribution	---		50 / 50
<b>Material Properties</b>			
Breaking Strength			
- Warp (MD)	N	ASTM D 751A	1330
- Fill (TD)			1110
Tear Strength			
- Warp (MD)	N	ASTM D 751B (mod)	311
- Fill (TD)			311
Wide Width Strength			
- Warp (MD)	N / cm	ASTM D 4885	262
- Fill (TD)			219
Hydrostatic Resistance	MPa	ASTM D 751A	2.4
Puncture Resistance	N	FTMS 101C, 2031	1330
Ply Adhesion *	N / 5cm	ASTM D 751 (mod)	178
Dimensional Stability	%	ASTM D 1204	1 (max)
Low Temperature	°C	ASTM D 2136	-40
Abrasion Resistance (H18 / 1kg)	Cycles	ASTM D 3884	7 500
Stress Crack Resistance	Hrs	ASTM D 1693	3 000
UV Resistance (black)	Hrs	ASTM G 154	35 000
Ozone Resistance (100 pphm / 14 days)	---	ASTM D 1149	No Cracks
<b>Factory Seam Properties</b>			
Bonded Seam Strength	N	ASTM D 751, NSF Mod.	890
Peel Adhesion *	N / cm	ASTM D 413	35

#### NOTES:

(\*): Ply Adhesion and Peel Adhesion testing may result in a film tearing bond (FTB) if the strength between layers is greater than the strength of the material itself.

The above information is provided for reference purposes only and shall not be construed as a warranty or guarantee. The Manufacturer and Supplier assumes no liability in connection with the use of the information. Specifications are subject to change without notice. All trademarks are registered trademarks of the supplier in the Republic of South Africa.



**DIRECTORS:**  
**CJ GUNDLE (CHAIRMAN), PJ MEYER (MANAGING), NKH FITZ-GIBBON, KR GUNDLE, \*MA WITTMANN (\*AUSTRIAN)**  
**Aquatan (Pty) Ltd Reg. No. 1990/005957/07 VAT No. 4230104251**

RFPP 45 1.14mm (10 Years) Rev 0 - 12/07/2017

