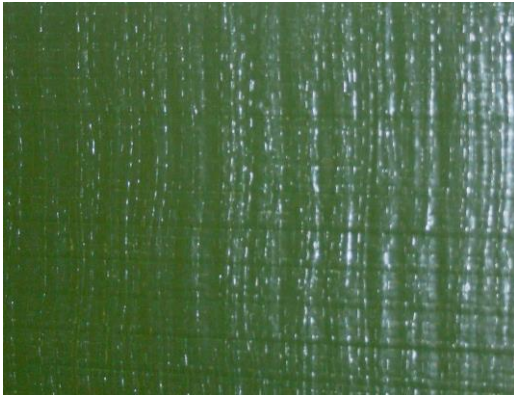


## Greenfix Rootbarrier 400 Impermeable Rootbarrier



Greenfix Rootbarrier 400 consists of a woven HDPE (High Density Polyethylene) Base material which is reinforced and coated with a triple layer film of LDPE (Low Density Polyethylene). Available in green as standard and blue, orange and white to order. The Membrane is UV stabilised and suitable for outdoor applications.

Available in 2.05m x 200m, 1.00m x 100m and 2.05m x 50m rolls or client specified pre-welded panels

Item	Values	Test Methods
<b>Weight</b>	240 [g/m <sup>2</sup> ]	UNI EN 1849-2
<b>Thickness</b>	0,4 [mm]	UNI EN 1849-2
<b>Tensile strength MD</b>	21,22 [kN/m]	UNI EN ISO 1421
<b>Tensile strength CMD</b>	20,00 [kN/m]	UNI EN ISO 1421
<b>Elongation at maximum load MD</b>	18,0 [%]	UNI EN ISO 1421
<b>Elongation at maximum load</b>	18,1 [%]	UNI EN ISO 1421
<b>Static puncture resistance</b>	2,72 [kN]	UNI EN ISO 12236
<b>Shear strength of joints</b>	553 [N]	UNI EN ISO 12317-2
<b>Temperature resistance (Range)</b>	- 30°C + 70°C	-
<b>UV resistance (Grade)</b>	360 kLy	DIN 54004
<b>Liquid Permeability</b>	< 10-6 [m <sup>3</sup> -m-2-d-1]	UNI EN 14150
<b>Methane Gas Permeability</b>	1.41E-03 [m <sup>3</sup> m-2.day.atm]	ASTM D 1434, Method V
<b>Carbon Dioxide Gas</b>	6.67E-03 [m <sup>3</sup> m-2.day.atm]	ASTM D 1434, Method V
<b>Moisture Permeability</b>	1,32 · 10-14 [m s-1 ]	UNI EN 1931
<b>Resistance to weathering</b>	Variation of tensile strength and tensile elongation <25%	UNI EN 12224
<b>Resistance to oxidation</b>	Variation of tensile strength and tensile elongation <25%	UNI EN 14575