

Root Barriers: Advice, Specification, Sales and Installation

Product data sheet

Product Name	FlexiRoot UV5		
Classification	Structure	Flexible reinforced geotextile	
	Permeability	Impermeable	
	Function	Physical barrier for the control of invasive and aggressive plant root/rhizome systems including Japanese knotweed and in arboriculture.	
Description	FlexiRoot UV5 is built around a tough, woven HDPE (High Density Polyethylene) material core which is reinforced and coated with a triple layer of LDPE (Low Density Polyethylene). This versatile membrane is 5 year UV stabilised* and suitable a range of applications, including those that involve installation into confined and/or complex spaces. Seams can be created by welding or taping.		
Product data	Material mass data		
	Product weight	380 g/m ²	UNI EN 1849-2
	Thickness	0.6 mm	UNI EN 1849-2
	Other features		
	Tensile strength MD	28 kN/m	ASTM D751-06
	Tensile strength CMD	26 kN/m	ASTM D751-06
	Puncture resistance	620.5 N	ASTM D4833-07
	UV resistance	360 kLy	DIN 54004
	Liquid permeability	<10 ⁻⁶ m ³ ·m ⁻² ·d ⁻¹	UNI EN 14150
	Resistance, Weathering	Variation, tensile strength & elongation <= 25%	UNI EN 12224
	Dimensions		
	Roll length	200 metres	
	Roll width	205 centimetres	
	Diameter of roll	-	
	Weight of roll	117 kg approx	
	*in typical UK climate and weather conditions		
The information contained herein is to the best of our knowledge accurate. However, product specifications are subject to change without prior notice. No warranty or liability is expressed or implied.			

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Product data sheet

Product Name	FlexiRoot UV10		
Classification	Structure	Flexible reinforced geotextile	
	Permeability	Impermeable	
	Function	Physical barrier for the control of invasive and aggressive plant root/rhizome systems including Japanese knotweed and in arboriculture.	
Description	FlexiRoot UV10 is built around a tough, woven HDPE (High Density Polyethylene) material core which is reinforced and coated with a triple layer of LDPE (Low Density Polyethylene). This versatile membrane is 10 year UV stabilised* and suitable a range of applications, including those that involve installation into confined and/or complex spaces. Seams can be created by welding or taping.		
Product data	Material mass data		
	Product weight	380 g/m ²	UNI EN 1849-2
	Thickness	0.6 mm	UNI EN 1849-2
	Other features		
	Tensile strength MD	28 kN/m	ASTM D751-06
	Tensile strength CMD	26 kN/m	ASTM D751-06
	Puncture resistance	4.3 kN	UNI EN ISO 12236
	UV resistance	360 kLy	DIN 54004
	Liquid permeability	<10 ⁻⁶ m3·m ⁻² ·d ⁻¹	UNI EN 14150
	Resistance, Weathering	Variation, tensile strength & elongation <= 25%	UNI EN 12224
	Dimensions		
	Roll length	200 metres	
	Roll width	205 centimetres	
	Diameter of roll	- -	
	Weight of roll	117 kg approx	
	*in typical UK climate and weather conditions		
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