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Concrete Canvas Ltd.
Unit 3 Block A22,
Severn Road,
Treforest Industrial Estate
Pontypridd
CF37 5SP

DOP 1904.01.EN
CC5, CC8, CC13,

European Assessment Document: EAD 080009-00-0301
European Technical Assessment: ETA-19/0086
Technical Assessment Body: British Board of Agrément
Notified Body: 0836

System of assessment and verification of consistency of performance of the product is 2+

Intended Uses:

The products are for use in erosion control applications and the intended uses can be outlined as:

Channel Lining,
Slope Protection,
Bund Lining,
Remediation of Concrete Structures,
Culvert Lining,
Weed Suppression.

Declared Performance:

Essential Characteristic		Unit	Method	Product Performance		
				CC5	CC8	CC13
Mechanical Resistance and Stability						
1	Thickness (uncured)	mm	EN 1849-2	>4.5	>7.5	>12.5
2a	Mass per Unit Area (uncured)	g·m ⁻²	EN 1849-2	7	12	19
2b	Density (uncured)	kg·m ⁻³	EN 1849-2	1500	1500	1500
3a	Initial Flexural Strength	MPa	ASTM D8058	4.0	4.0	4.0
3b	Final Flexural Strength	MPa	ASTM D8058	10.0	6.0	6.0
4	Static Puncture Resistance					
4a	- Puncture Force	kN	EN ISO 12236	2.0	4.0	4.0
4b	- Puncture Displacement	mm		34.4	43.4	5.35
5	Dynamic Puncture Resistance Depth of Perforation	mm	EN ISO 13433	0	0	0
6	Pyramid Puncture Resistance	kN	EN 14574	4.0	7.0	12.5
7	Strength of Internal Linking Fibres	kN·m	EN ISO 13426-2	4.0	4.5	5.0
Safety and Accessibility in Use						
9	Durability Retained Initial Flexural Strength					
9a	- Weathering (UV) Resistance	%	EN 12224	72.4		
9b	- Microbiological Resistance	%	EN 12225	108		
9c	- Leaching Resistance Method A <i>Leaching by hot (de-ionized) water</i>	%	EN 14415	115		
9d	- Leaching Resistance Method B <i>Leaching by aqueous alkaline liquids (saturated Ca(OH)₂)</i>	%		84		
9e	- Leaching Resistance Method C <i>Leaching by organic alcohols (30% vol methanol, 30% vol isopropanol, 40% vol glycol)</i>	%		99		
9f	- Thermal Ageing	%	EN 14575	71		
Sustainable Use Of Natural Resources						
10	Abrasion Resistance Cementitious Barrier Abrasion Depth of Wear	mm/1000 cycles	ASTM C1353	0.2		
11	Freeze - Thaw - Retained Initial Flexural Strength	%	EN 12467	101		

www.concretcanvas.com