

SYSTEM-20 - CAVITY DRAIN WATERPROOFING MEMBRANE

Description

MacLennan SYSTEM-20 is a high quality cavity drain membrane suitable for use above floors as an option within our MacLennan waterproofing system that includes MacLennan drainage and pumping systems.

MacLennan SYSTEM-20 is BBA certified, warrantied against deterioration for 30 years, and has a life expectancy of at least 50 years (DIN 9001:2000). MacLennan SYSTEM-20 is also inert with high compressive loading stability.

It is highly resistant to water, alkalies, saline solutions and organic acids, and it is not effected by minerals. It is also resistant to bacteria, fungi and other small organisms.



TECHNICAL DATA			
Features	Result	Units	
Material	HDPE		
Colour	Black		
Density	1000	g/m ²	
Width	2.07	m	
Length	20.0 & 10.0	m	
Area	40 & 20	m ²	
Height	20	mm	
Membrane thickness	1.0	mm	
Stud depth	19.0	mm	
Vicat softening temperature	126	°C	
Packaged weight	37.62 / 18.35	kg	
Service temperature	-40 to +80	°C	
Installed Performance	Result	Units	Test Method
Compressive strength – Temporary loading	240	kPa	EN ISO 25619-2
Compressive strength – Permanent loading	4	kPa	EN ISO 25619-1
Compressive strength - Permanent - with studs filled with C16 screed	800	kPa	EN ISO 25619-1
Thermal conductivity	0.461	W/mK	EN 12667
Colour	Black		
Water vapour diffusion resistance – Sd value	>604	m	BS EN 1931
Water vapour diffusion resistance – μ value	>1208000	μ	Calculated from SD value
Water vapour diffusion resistance	>3020	MNs/g	Calculated from SD value
Resistance to fire	Euroclass E	BS EN 13501-1	
Chemical resistance – Excellent	100	%	EN14030
Oxidation resistance – Excellent	100	%	EN ISO 13438

FOR MORE INFORMATION

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