

**SYSTEM-03 - CAVITY DRAIN WATERPROOFING MEMBRANE**
**Description**

MacLennan SYSTEM-03 is a high quality cavity drain and damp proofing membrane suitable for use internally above or below the ground to retaining walls, vaulted soffits and floors as an option within our waterproofing system.

MacLennan SYSTEM-03 is BBA certified, warrantied against deterioration for 30 years, and has a life expectancy of at least 50 years (DIN 9001:2000). MacLennan SYSTEM-03 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	White/Translucent		
Density	500	g/m <sup>2</sup>	
Width	2.0	m	
Length	20.0	m	
Area	40	m <sup>2</sup>	
Stud depth	2.4	mm	
Height	2.93	mm	
Vicat softening temperature	126	°C	
Packaged weight	23.0	kg	
Service temperature	-40 to +80	°C	
Installed Performance	Result	Units	Test Method
Thickness at 100 kPa	2.64	mm	EN ISO 25619-1
Compressive strength – Temporary loading	>320	kPa	EN ISO 25619-2
Compressive strength – Permanent loading	100	kPa	EN ISO 25619-1
Thermal conductivity	0.461	W/mK	EN 12667
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**

TEL: 0845 658 777 | EMAIL: [enquiries@MacLennanuk.com](mailto:enquiries@MacLennanuk.com) | WEB: [www.MacLennanuk.com](http://www.MacLennanuk.com)