

PermaSEAL 8 Mesh

Cavity Drain Membrane



Description

PermaSEAL 8 Mesh is a translucent high-density polyethylene (HDPE) membrane for damp proofing and waterproofing walls and ceilings in new or existing buildings. It can be used above or below ground, over a contaminated or damp background, to support dot and dab plasterboard or a render system. The system is approved for use in Type C (drained protection) constructions in accordance with BS 8102:2022.

PermaSEAL 8 Mesh is guaranteed against deterioration for 30 years and has a life expectancy equal to the design life of the structure (DIN 9001:2000). The membrane must have permanent protection from UV light and physical damage, along with the correct specification and installation in order to achieve the life expectancy.

PermaSEAL 8 Mesh is an inert product with high compressive loading stability. It is highly resistant to water, alkalis, saline solutions and organic acids and is not affected by minerals. It is also resistant to bacteria, fungi, and other small organisms.

When a below ground waterproofing system is specified it is essential the cavity drain system incorporates the PermaSEAL drainage system including sump and pump system.

Features

- Minimal wall surface preparation required
- Quick & easy application to most surfaces
- Easy to form around doors, windows and services
- Waterproof, vapour resistant, salt resistant, rot resistant, contaminant and chemical resistant

Technical Details

<i>PermaSEAL 8 Mesh</i>	Technical Details
<i>Membrane Composition</i>	HDPE approx. 500g/m ²
<i>Mesh</i>	100% Virgin HDPE
<i>Stud height</i>	HPDE
<i>Total weight</i>	Approx. 8mm
<i>Number of studs</i>	Approx. 500g/m ²
<i>Compressive strength</i>	1710/m ²
<i>Colour</i>	Approx. 180kN/m ²
<i>Water drainage capacity</i>	Translucent
<i>Roll length</i>	Approx. 0.86 l/s m
<i>Roll width</i>	10, 20m
<i>Air volume between studs</i>	2m
<i>Temperature resistance</i>	Nominal
<i>Chemical properties</i>	-30 ° C to +80 ° C
<i>Physical properties</i>	Chemical resistant
<i>Fire resistance</i>	Safe for drinking water
	Class E.

Accreditations

PermaSEAL 8 Mesh is part of the PermaSEAL Waterproofing System. The product is CE marked to the relevant standard.

Installation

Please see separate installation guide.

Finishing

PermaSEAL 8 Mesh should always be protected by suitable surface finishes.

Wall / Ceiling finishes

When fixed to walls and vaulted ceilings with the PermaSEAL Plaster Plug or PermaSEAL Brick Plug the membrane can be finished with the following systems:

- Dot and dab plasterboard (minimum of 50% board coverage with dab)
- Direct render and plaster finish

Storage

Store upright in dry conditions at temperatures between 5°C and 25°C. Do not expose to freezing conditions or direct sunlight. Protect from UV.

Health & Safety

Please use the product only in accordance with the information given in this datasheet and the installation guide. There is no legal requirement for a Safety Data Sheet for this product.

Further Information

As part of our complete cavity drain system, PermaSEAL 8 Mesh complies with BS 8102:2022 to provide Type C drainage protection capable of creating a Grade 3 environment suitable for domestic and commercial use.

It is essential when complying with BS 8102:2022 creating a grade 3 environment that the cavity drain membranes are used in conjunction with the PermaSEAL range of maintainable drainage channels and pumping systems. Alternatively, gravity drainage is acceptable on a sloping site.

It is imperative that all drainage systems are fully maintained throughout their lifetime.