

# PermaSEAL 8 Green Roof Drainage Membrane



## Benefits

- Integrated geotextile fabric firmly bonded to the membrane to prevent slip and compression of the fabric
- Geotextile filter layer prevents siltation of the studs
- Tough and durable
- Easy to install
- High compressive strength
- Manageable roll size/weight for one person
- Bonded geotextile filter layer saves time on installation compared with loose laid geotextile

## Technical Details

Material	High Density Polyethylene
Size	2m x 10m, 2m x 20m
Colour	Black
Coverage	20m <sup>2</sup> , 40m <sup>2</sup>
Compressive strength	>250kN/m <sup>2</sup>
Stud height	8mm
Membrane thickness	≥ 1mm
Drainage capacity	2.2L/sec/m <sup>2</sup>
Vicat softening temp	126°C
Density	≥ 550g/m <sup>2</sup>
Weight	13kg, 26kg
Temp range	-30°C to +80°C
Resistance to fire	Euroclass F, BS EN 13501-1

## Description

PermaSEAL 8 Green Roof is a high quality HDPE drainage membrane suitable for use in extensive and intensive green roof applications and other walkable surfaces. The membrane incorporates a bonded geotextile filter layer to provide an 8mm cavity that is protected against soil obstruction, enabling water to drain away in the cavity. With a high compressive strength PermaSEAL 8 Green Roof is perfect for heavy loading.

PermaSEAL 8 Green Roof is guaranteed against deterioration for 30 years and has a life expectancy equal to the design life of the structure (DIN 9001:2000). PermaSEAL 8 Green Roof is an inert product and 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.

Typically PermaSEAL 8 Green Roof is used as a drainage layer in conjunction with a primary waterproof coating above decks, flat roofs and pitched roofs. It is not suitable for inverted warm roof application (please contact our technical department for options).

## Associated Products

- PermaSEAL Jointing Tape – for sealing overlap membrane joints
- PermaSEAL Separation Layer – used as a slip layer/root barrier between the primary waterproofing and PermaSEAL 20P Green Roof
- MB2K Flexible Waterproofing Compound – the primary waterproofing applied directly to the concrete deck/screed
- Kiesol Waterproofing Primer – primer applied prior to MB2K application

## **Storage**

Store in cool, dry conditions. Do not expose to direct sunlight or freezing conditions.

## **Health and Safety**

Please use the product only in accordance with the information given in this datasheet and the installation guide. Please refer to the Material Safety Datasheet for further information.

## **Further Information**

PermaSEAL 8 Green Roof is suitable for various types of installation and it is imperative that the membrane is specified in the correct detail as part of a wider waterproofing and drainage system. This is not a waterproof membrane. Please contact our technical department if at all unsure as to its suitability.