

# SIG Permatec

Hot melt waterproofing system



It is melted in a purpose built machine and is applied to a prepared structural deck in two nominal 3mm coats, providing a monolithic waterproofing system. It is suitable for use as the waterproofing layer in most new build flat roofing applications, when covered by suitable protection or when used in an inverted roof or green roof specification.

### **Lifetime performance**

- Formulated to last for the lifetime of the building or structure on which it is installed
- Long-term waterproofing integrity
- No future replacement costs

### **Fully bonded and monolithic**

- Applied as a liquid directly to the deck
- No risk of water tracking below the membrane
- Completely seamless so no possibility of lap failure


### **Flexibility of design**

- No screeds to falls required meaning less cost, weight and time

- Unaffected by standing water, dilute acids and fertilisers
- Effective detailing to difficult penetrations - 'I' beams, posts etc.

### **Safe, speedy installation**

- No two part system to mix
- No on-site curing requirements
- Solvent-free formulation Ideal for demanding site conditions
- Excellent low temperature flexibility and adhesion
- Can be readily applied in temperatures down to -18°C on a clean, dry, frost-free surface
- Work can proceed during winter months, minimising lost construction time
- Permasec is not affected by rain, snow or frost immediately after its application
- Can be walked on immediately after installation of the system



Permasec is a hot applied membrane which is manufactured in the UK by IKO. It is a specially formulated combination of refined bitumen, synthetic rubbers, fillers and other additives.

- LONG LASTING FOR THE LIFETIME OF THE BUILDING
- OVER 30 YEARS OF TRACK RECORD IN THE UK
- HIGH TENSILE STRENGTH
- TOUGH AND RESISTANT TO IMPACT DAMAGE
- SELF-SEALING CAPABILITY
- LOW TEMPERATURE FLEXIBILITY
- RESISTANT TO RAIN, SNOW AND FROST IMMEDIATELY AFTER INSTALLATION
- NO PACKAGING TO DISPOSE
- EASILY RECYCLABLE, ENVIRONMENTALLY NON-POLLUTING
- BBA APPROVED



## Making the roof work harder

Britain's population is predicted to grow by 10 million to 70 million by 2029. So, we cannot afford to 'waste' roof space. The fifth elevation can become an amenity to:

- Capture carbon
- Generate power
- Provide a green space and living zone
- Insulate the building
- Capture rainwater
- Provide a natural and bio-diverse, wildlife habitat



## 4 simple components for the standard waterproofing system...



### 1 Prime

#### Permatec High Penetration Primer

A specially formulated bitumen primer for use on concrete and other surfaces prior to the installation of the Permatec system.

Size: 25 litre drum

Coverage: 6-8m<sup>2</sup> per litre



### 2 Waterproof

#### Permatec ECOWRAP Compound

A specially formulated combination of refined bitumen, synthetic rubbers, fillers and other additions. It is hot applied to the prepared substrate using squeegees to a total nominal thickness of 6mm.

Permatec is covered by BBA Certificate No. 03/4009.

Size: 12kg in polypropylene wrapper



### 3 Reinforce

#### PermaFLASH-R

A 55g/m<sup>2</sup> polyester reinforcement sheet. PermaFLASH-R is installed between the 2 x 3mm coats of Permatec compound, to provide high tensile strength.

Roll size: 1m x 200m



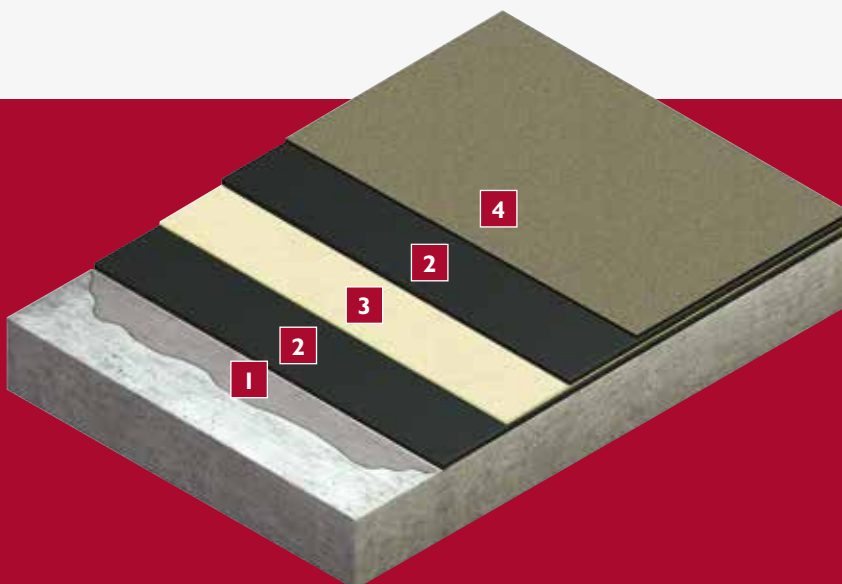
### 4 Protect

#### PermaGUARD-F

A sand surfaced, polyester reinforced bitumen membrane.

PermaGUARD-F is installed as a protection layer into the final coat of the Permatec compound whilst it is still hot.

Roll size: 1m x 20m



ALSO AVAILABLE...  
A FULL RANGE OF ACCESSORIES  
TO COVER EVERY EVENTUALITY

- DETAILING
- GREEN ROOFS
- DRAINAGE
- ON-SITE PROTECTION

## About SIG Design & Technology

SIG Design & Technology is a part of SIG Roofing, a leading division of SIG plc, a FTSE listed company and the UK's market leading specialist supplier to professionals in the building and construction industry.

SIG Design & Technology has put together an 8-step guide to identify the challenges and ensure that a roof's design meets a building's requirements.

Called *#PerfectRoof*, the eight steps follow the process from product selection and design expertise through to full guarantees and planned maintenance. Its know-how is just part of the service that is provided absolutely free to customers.



## Take the risk out of roof design...

### ■ The right products for your project to meet requirements for:

- Carbon capture
- Insulation
- Roof longevity
- Energy generation
- Design covered by our PI insurance
- Genuine choice of waterproofing
- Part of a FTSE 250 company



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