



# Certificate No: EWS506E



This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

## Permavent METAL

### Description of Product

Permavent METAL 490g is a condensation and control and drainage system, for fully supported standing seam and metal roofing applications



### Key Factors Assessed

- Mechanical Resistance & Stability
- Health, Hygiene and Environmental
- Safety in Use
- Durability serviceability and identification

### Validity

This certificate was first issued on 23<sup>rd</sup> April 2015 and is valid until 23<sup>rd</sup> April 2018

Issue Dated 17<sup>th</sup> May 2017

## Scope of Registration

Permavent use the very latest technology from the medical industry to encapsulate the highest grade hydrophobic film inside the very highest quality spunbond polypropylene layers. Permavent membranes are manufactured in a single process that greatly improves the quality and integrity of our membranes. This 3 in 1 process means that Permavent offer superior strength, breathability, flexibility and durability.

Permavent METAL is designed for use with all types of metal roofs. Permavent METAL incorporates the high performance breather membrane of Permavent MAX that will help to release water vapour from the building. The addition of the spiral mesh creates a 10mm air gap that allows this moisture to drain of the roof. The air gap also prevents the metal from being in constant contact with this moisture and this helps to protect the metal from corrosion. The spiral mesh also allows the metal to freely expand and contract and also stops the direct transmission of summer heat and winter cold. Its high tech design is ideal for roof pitches over 3° and will mask irregularities such as board joints that could deform the metal roof covering.

Permavent METAL has been tested and certified by independent European laboratories and manufactured under the strictest ISO requirements to permit CE marking under CEN EN 13859:1 2010.

## Conditions of Certificate

Must be stored, handled and installed in accordance with the BBA Certificates, IAB Certification, any stipulated requirement within the BRE Wind Driven Test report and manufacturer's instructions.

Condensation risk assessment calculations in accordance with BS 5250: 2011 should be carried out for specific applications. When using thermal insulation with a low vapour resistance, a vapour control layer on the warm side of the insulation may be required. Where the roof may be subject to high humidity conditions (eg kitchens, swimming pools, bathrooms) a vapour control layer should be considered with all types of insulation.

Should not be exposed to direct sunlight for long periods.

For Scotland purposes:

That the specifications and materials referred to have been assessed and approved in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Domestic Technical Handbooks which came into force with effect from 1 October 2013.

That where reference is made on a plan or specification document to any Code of Practice, British or European Standard or manufacturer's instruction it shall be construed as a reference to such publication in the form in which it is in force at the date of this registered detail.

That the materials specified shall not be changed without first gaining approval so to do. Failure to do so will invalidate the registered detail.

This registered detail should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 2003 enacted from 1 May 2005

That this Registered Detail shall contribute to compliance with relevant Mandatory Standards specified under the Building (Scotland) Regulations 2004 as amended when read with the Limitations of Use Section to this Registered Detail.

LABC consider that, Permavent METAL, will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



### The Building Regulations 2010 (as amended) England & Wales

AD C Site preparation and resistance to contaminants and moisture

Note: The product is acceptable subject to conditions

Regulation 7 Materials and Workmanship

Note: Are appropriate for the circumstances in which they are used, subject to conditions



### The Building Regulations 2010 (as amended) England

None presently



### The Building Regulations 2010 (as amended) Wales

None presently



### The Building (Scotland) Regulations 2004 (as amended)

Technical Handbooks Domestic and Non-Domestic

Regulation 8: Durability, workmanship and fitness of materials

0.8.5 Ways of establishing the fitness of materials

Regulation 9: Building standards applicable to construction

Note: Construction shall be carried out so that the work complies with the applicable requirements of schedule 5.

Mandatory

Standard 3.10: Precipitation

3.10.1: Precipitation

3.10.7: Roof constructions (flat)

Mandatory

Standard 3.15: Condensation

3.15.3: Control of condensation in roofs

## Non-Regulatory Information



### LABC Warranty

The use of the Permavent METAL has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to [technical.services@labcwarranty.co.uk](mailto:technical.services@labcwarranty.co.uk)

## Supporting Documentation

British Board of Agreement Certificate 05/4227

British Board of Agreement Certificate 06/4311

FAKRO CE11 – Declaration of Conformity 12/2011

BRE Report No 273 – 259 Fpr EN 15601 (Wind Driven Rain Test) 3rd August 2011

BRE Report No 289 – 478 Fpr EN 15601 (Wind Driven Rain Test) 8th October 2012

PVC – CRT05/078 – Drysdale Performance Statement

PVC Certification – CRT05/078 – Dugdale Performance Statement - Grey K901

FAKRO CE11 – Declaration of Conformity 12/2011

Permavent Brochures for each membrane

## Contact Information

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