

IKO Rubershield Fireguard Housewrap

Technical Data Sheet – Section 3.00

PRODUCT INFORMATION

A 90g/m² low flammability, vapour permeable membrane, for use within framed wall construction as a house wrap.

Roll Dimensions	Product Code
1.5m x 50m	11400000

USE

The product can be used as a house wrap within framed wall construction.

INDEPENDENT ACCREDITATION



DOP_MPHW.BS1D0_01

The product carries a Declaration of Performance Certificate and is assessed under the above Harmonised Standard.

FEATURES & BENEFITS

Breathable - Allows the passage of water vapour which can otherwise be harmful to building fabric.

Weather Resistant - Provides a secondary barrier to liquid water and wind driven snow.

Lightweight & Flexible - For ease of transportation and use on-site.

Reaction to Fire Rating - Product carries a B-s1, d0 classification under BS EN 13501-1, EN ISO 11925-2.

PERFORMANCE & COMPOSITION

Composition:	Non-Woven polypropylene
Form:	Roll
Colour:	White
Length:	50m
Width:	1.5m
Mass/Weight:	90g/m ²
Reaction to fire (EN 13501-1):	
Free Hanging/ on mineral Wool	B-s1, d0
Other substrates	E
Resistance to water	
Penetration (EN1928):	W1
Water vapour transmission (EN ISO 12572):	0.02m Sd



SPECIFICATION

All construction detailing and specification should conform to UK Building Regulations, relevant Codes of Practice and British Standards.

In particular it is recommended that reference is made to the relevant parts of:

BS5250: Code of practice for control of condensation in buildings.

Particular attention should be made to ensure wall installations allow for the inclusion of an Air & Vapour Control Layer as per the recommendations of BS 5250.

Where required by building warranty providers i.e. NHBC, LABC, etc. installers and those undertaking specifications should seek guidance from Technical Standards as issued by the provider in addition to the above.

SYSTEM COMPONENTS

IKO Rubershield Jointing Tape

Description: a double-sided acrylic tape

Product Code: 42025045

Size: 45mm x 25m

Purpose: Bonds vapour permeable membranes at overlaps and areas of detailing, improving overlap security against wind uplift and air leakage.

IKO Rubershield Lap Tape

Description: Single-sided tape

Product Code: 42025050

Size: 75mm x 20m

Purpose: For use on all overlaps and areas of detailing alongside/ in conjunction with IKO Rubershield Jointing Tape for a fully airtight installation.

SITE STORAGE

Material should be checked to ensure that it conforms to the project specification.

IKO Rubershield membranes should be stored palletised or on their sides on a smooth clean surface, under cover and protected from the weather.

Material should be unloaded and handled with care to avoid damage. It should be stored on end on a firm, clean base, and be protected against atmospheric exposure, especially sun radiation and other heat sources, as well as against moisture and rain.

CONSTRUCTION

The products must be secured with stainless steel staples or large headed clout nails at regular intervals; these intervals should not exceed 500 mm.

Upper layers should overlap lower layers to shed water away from the sheathing and should be minimum 100mm. Vertical laps should be 150 mm and should be staggered wherever possible (see Figure 1).

It is essential that the lowest timbers in the wall are protected by the breather membrane by overlapping by 100mm.

Fixing to timber/sheathing

Fix IKO Rubershield Fireguard Housewrap with stainless steel staples or clout nails. Fixing should be fixed flush and not stand proud. Fixing should be undertaken at maximum 600mm centres horizontally and at 300mm centre vertically.

The membrane should be fixed at 150mm centre around openings and joints, and made good with IKO lap tape

Fixing to insulation

Where application of the membrane is to rigid insulation boards, this should be undertaken with expanding insulation fixing anchors or thermally broken tube fasteners.

In cladding applications battens or metal brackets could be used to fix the membrane.

Fixing to brick/block or stone

Where fixing to brick, block or stone, use a suitable masonry anchor system or masonry fixing with rubber washer.

Fixings should be a maximum 500mm centres. IKO Rubershield Jointing Tape may be used to fix the membrane in conjunction with the masonry fixings.

Fixing to cement particle board

The membrane can be temporarily fixed using the IKO Rubershield Jointing Tape.

Use self-tapping screws through the cement particle board to the support frame, use with rubber washers.

Fixing to steel

Fix to steel with an appropriate fixing with rubber washers, spacing maximum 600mm centres.

It is essential that the positions of the studs are marked on the face of the breather membrane, usually by tape, to enable fixing of wall ties/ battens.

Exposure

IKO Rubershield Fireguard Housewrap may be left exposed for up to 2 weeks, provided the membrane has been adequately secured and sealed in accordance with IKO recommendations.

Note: vapour permeable membrane are not deemed waterproof membranes and should not be used to make buildings watertight.

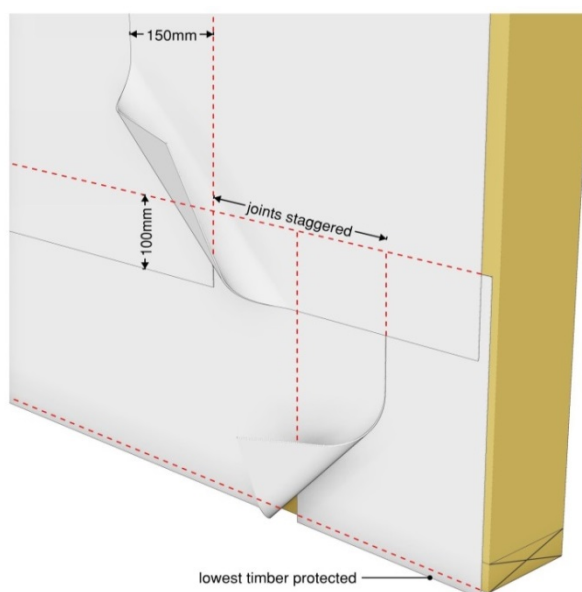


Figure 1 - Joint arrangement
(Tapes omitted for clarity)

On external corners, the membrane should be taken around corners by at least 300mm (Figure 2).



Figure 2 - External corner arrangement
(Tapes omitted for clarity)

REPAIR

This product can be damaged by careless handling, high winds or vandalism. Damage to the membrane must be repaired prior to the installation of external walls or cladding by laying another sheet over the damaged area, by patching and sealing correctly, ensuring water is shed away from the sheathing.

Any small repairs can be made using IKO Rubershield Lap Tape.

DURABILITY

When installed and conditions are maintained as per IKO literature, relevant Codes of Practice and UK Building Regulations, the product will remain unaffected by normal conditions found within the wall space and will last for the design life of the building.

Where timbers treatments have been used care should be undertaken that these are dry before the installation of the IKO Rubersshield membranes.

Spray applied emulsions can pose a risk to vapour permeable membranes and, in these situations, the IKO permeable membrane must be protected from such application.

OTHER RELEVANT DOCUMENTATION

Where applicable, Material Safety Data Sheets (MSDS), Declaration of Performances (DoPs), and Third-Party Accreditations are available to view and download from the IKO website Resource Centre:

<https://ikogroup.co.uk/resource-centre/>

PRODUCT SUPPORT

Should you have any queries in relation to this product please contact one of the relevant teams below:

Technical

technical.ab@iko.com

- For Reinforced Bitumen Membranes, IKOpro and Flexia Liquid Applied Waterproofing, Pitched Roofing, IKO Hyload Structural Waterproofing

technical.ma@iko.com

- For Mastic Asphalt

technical.cc@iko.com

- For Single Ply and Permasec Hot Melt

Sales

sales.uk@iko.com

Marketing

getintouch.uk@iko.com

COMPANY ACCREDITATIONS

IKO PLC, a roofing, waterproofing, and insulation company, holds various accreditations that demonstrate its commitment to quality, safety, and environmental responsibility. These include ISO certifications for quality management and occupational health and safety, British Board of Agrément (BBA) accreditations for specific products and systems, and Factory Mutual (FM) approval for certain roofing systems.

All our manufacturing plants have BS EN ISO 9001, BS EN ISO 14001, BS EN ISO 45001, and BES 6001 accreditation, meaning we match the quality and sustainability requirements and use responsibly sourced raw materials in our production. We also re-use by-products from manufacture, wrap products in minimal packaging, and we employ a streamlined transportation network.



IKO is also a leading member of all relevant trade associations such as NFRC, BFRA, SPRA, LRWA, MAC, RSTA, BJA and LCRIG having technical experts within the technical and standards committees to help us get informed first-hand about recent updates on technical requirements for the design and installation of roofing, waterproofing, road and bridge maintenance industry products.



DISCLAIMER

Whilst every precaution is taken to ensure that the information given in this literature is correct and up-to-date it is not intended to form part of any contract or give rise to any collateral liability, which is hereby specifically excluded.

IKO reserves the right to amend and/or withdraw this document without notice.

Intending purchasers of our materials should therefore verify with the company whether any changes in our specification, application details, withdrawals or otherwise have taken place since this literature was published.