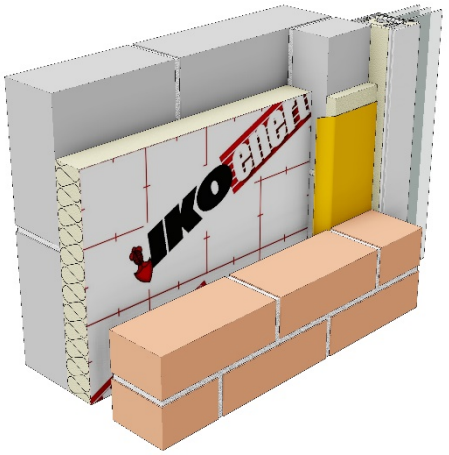
IKO Hyload FR Insulated DPC

Technical Data Sheet – Section 1.10

PRODUCT INFORMATION

IKO Hyload FR Insulated DPC comprises of a flexible polymeric sheet material centrally bonded to a CFC-free rigid phenolic foam insulating board.



Widths: DPC/ Ins	Product Code
165/100	36416500
180/100	36418000
225/140	36422500

USE

IKO Hyload FR Insulated DPC is used within masonry cavity wall constructions around doors, windows and openings to prevent the passage of moisture, and to provide a thermal break.

FEATURES & BENEFITS

Thermal Properties - Thermal resistance (R Value) of 1.20m^2 K/W
Thermal conductivity (\ or k value) 0.022 W/mK

Materials - Highly flexible polymeric DPC bonded to CFC-free phenolic insulation.

Consistent Thermal Properties - Uniformly maintains thermal properties and does not allow thermal leakage.

Simple Installation - Easy to handle, no additional fixings or adhesives necessary.

COMPOSITION

Form: Lengths
Widths: Varies, see table
DPC element
- Material: Hyload Trade - Polymeric
- Colour: Black
- Thickness: 0.9mm
- Texture: Shiny grained finish
- Length: 1.2m

Insulation element
- Material: Phenolic foam
- Colour: Light brown
- Thickness: 25mm
- Texture: Dull matt finish
- Length: 1m

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INSTALLATION

Installation must follow good practice for the detailing of damp proof courses (refer to Published Document 6697, BS 8215:1991 and BS 8000: Parts 3 and 4, and in accordance with the manufacturer's instructions.

In particular, the following practices are essential:

(i) The width of insulation must sufficiently cover any masonry cavity closer, thus avoiding any risk of condensation through cold bridging.

(ii) The side projections of the DPC must project beyond the masonry closer into the cavity and must not be bridged by mortar. The DPC projection into the opening must locate within the frame.

(iii) The vertical insulated DPC must be dressed into the cill cavity tray and be located behind the head cavity tray or sealed to the soffit of the lintel.

(iv) Where it is necessary to join the Insulated DPC vertically, the upper piece must be installed with the 100 mm extension at the bottom with this lapping over and to the outside of the lower piece and sealed.

(v) Where it is necessary to give temporary support to the Hyload Insulated DPCs whilst building brickwork, this should be done by turning the material over onto the top of the blockwork and securing by weighting down with masonry. On no account should the DPCs be secured by nailing. Note: Hyload FR Insulated DPC is self-supporting due to the rigid nature of the product.

Application in this way ensures conformity to the requirements of Building Regulations - Approved Document L and new Robust Details Document. Hyload Insulated DPC also conforms to the requirement of NHBC and BRE guidelines 'Thermal insulation: avoiding risks'. This product also meets the minimum 30-minute fire requirement for the Scottish Building Regulations Part D4.1.

Handling

Hyload Insulated DPCs require no special handling. However, excessive physical action can cause delamination of the insulation and should be avoided.

DURABILITY

When properly specified and installed, the system in normal circumstances, will remain effective for the lifetime of the building.

OTHER RELEVENT 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/

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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

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- For Single Ply and Permatec Hot Melt

Sales sales.uk@iko.com

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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.

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