

IKO Hyload Protection Board

Technical Data Sheet – Section 1.60

DESCRIPTION

IKO Hyload Protection Board is a tough, flexible polymeric board for protecting IKO Hyload structural waterproofing systems and the IKO Permateg LI hot melt system against damage caused by mechanical damage, pedestrian/vehicular traffic, and abrasion caused by backfilling.

Owing to its high strength, excellent puncture resistance and non-compressible nature, IKO Hyload Protection Board exceeds the performance of other thicker boards offering cost savings, better site handling and storage space reductions.



Product Code	Size
62530000	2m x 1m

USE

This product is employed directly over IKO Hyload structural waterproofing systems and the IKO Permateg LI hot melt system; it is essential to include the product to ensure suitable protection prior to any form of trafficking, concrete reinforcement work, concrete placement and backfilling operations.

The product is also often specified as temporary protection to finished work i.e. completed floors and finished works.

FEATURES & BENEFITS

- Rot Resistant - robust and permanent protection
- Resistant to Contaminants - excellent resistance to alkali attack contained within normal soil conditions
- Resistant to normal weathering conditions
- Manufactured in 2m² sheets - simplifies estimation and installation
- Flexible - will follow normal membrane and substrate contours without cutting
- Resistant to normal site traffic
- Easily cut and shaped on site
- Easily scored and folded - provides continuous protection at corners

PERFORMANCE & COMPOSITION

Composition:	Polymeric board
Colour:	Black
Thickness:	3mm
Unit Length:	2m
Unit Width:	1m
Nominal Weight:	5.25 Kg/m ²
Nominal Board Weight:	10.5 Kg
Water Absorption w/w BS2782 430A:	0.4%
Impact resistance ISO 6603-2:1989:	1597N
Dimensional Stability MOAT 27.5.1.6.1	
Change in Length - dry at 80°C	
After 24 hrs:	-0.4%
After 1 week:	-0.4%
Change in Length - wet at 80°C	
After 24 hrs:	-0.4%
After 1 week:	+1.4%

CONSTRUCTION

General Application

Cutting & Shaping

General cutting work can be undertaken using a fine-toothed handsaw when supporting the board along a continuous edge i.e. a section of timber, sized to the full length of the board or a sharp knife.

Depending upon the detail IKO Hyload Protection Board can be folded to accommodate changes in direction. Where necessary the boards can be scored to assist bending. During cutting, folding and placement work, all operatives should use appropriate PPE (Personal Protective Equipment).

IKO Hyload Structural Waterproofing

Horizontal Application

Application areas must be swept to provide a surface free from loose debris. IKO Hyload Protection Board should be loose-laid with butt joints onto the area to be protected. Joints must be over-taped using Hyload Jointing Tape No3. This reinforces the joint and helps to secure the board in place whilst also preventing aggregate fines being washed down on to the protected surface. The boards should be covered as soon as practically possible.

Vertical Application

IKO Hyload Protection Board can be temporarily secured to the vertical surface using Hyload DPC Jointing Tape No2. Three strips of tape should be positioned parallel to the longest side and equidistant across the board. Remove the silicon release paper and press the board into position.

All butt joints should be over taped using Hyload Jointing Tape No3. These methods are sufficient to hold IKO Hyload Protection Board in position temporarily whilst backfilling and the application of further fabric is undertaken i.e. concreting work. The boards should be covered as soon as practically possible.

IKO Permatec LI Hot Melt

IKO Hyload Protection Board is bonded directly into the second layer of the IKO Permatec LI hot melt system while it is still hot. IKO Hyload Protection Board will provide high level protection to the waterproofing system in heavily trafficked areas.

The boards will be butt jointed in a brick bond staggered pattern, all joints must be fully sealed by applying a layer of molten Permatec LI over the joint and spread using a wide blade scraper. This will reinforce the joint.

SITE STORAGE

General

Material should be stored in the dry, under cover, and protected against damage. Materials should be kept away from direct sources of heat.

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 Permatec 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.