

Hyload Tanking Membrane 2000SA

Cold applied self-adhesive modified bitumen waterproofing for basements and sub-structures

Features and benefits

- Cross-laminated film – provides dimensional stability, high tear strength, puncture and impact resistance.
- Polymer modified bitumen coating.
- Cold applied – no heating via flames or hot bitumen on site.
- Flexible – will accommodate minor settlement and shrinkage movements.
- BBA certification.
- Comprehensive range of accessories and ancillary products.
- Full design and on-site technical support.
- Specification compliant with BS 8102:2009

Description

Hyload Tanking Membrane 2000SA is a cold applied, flexible waterproofing membrane combining a special high performance cross laminated, HDPE carrier film with a self adhesive modified bitumen compound. When applied horizontally to floors and vertically to walls Hyload Tanking Membrane 2000SA will provide a continuous barrier to moisture. Hyload Tanking Membrane 2000SA when used in conjunction with a full system of IKO Redstop (hydrophilic waterstop) and protection/drainage products, will provide a continuous barrier to moisture in a tanking environment for basements and sub-structures.

Hyload Tanking Membrane 2000SA is available in rolls 1.5 mm thick, 1m wide and 15m long.

Product details

Roll length	15 metre
Roll width	1 metre
Thickness	1.5 mm nominal

Typical Physical Properties	Typical Result	Test Method
Tensile Strength Long Trans	215 N/50mm 220 N/50mm	EN12311-1
Elongation at break	Long 324% trans 238.0%	ATM D638
Tear resistance Long Trans	125N 65N	BS EN-12310-1:2000
Peel resistance	35N / 50mm	BS EN-12316-1:2000
Shear resistance of joints	Long 275 N / 50mm Trav. 270 N / 50mm	BS EN-12317-1:2000
Water tightness	Passed at 60 kpa	BS EN1928:2002
Resistance to impact	Method A: 1700mm Method B: 1000mm	BS EN12691:2002
Water absorption	No penetration	ASTM D 570
Adhesion to Steel	> 250N	ASTM D 1000
Adhesion to primed concrete	> 250N	ASTM D 1000

Hyload Tanking Membrane 2000SA complies with the relevant sections of the following national standards: BS 8102:2009, Building Regulations (England and Wales) 1991 (amended 1994) clause C4. Building Regulations (Northern Ireland) 1994 (amended 1995) clause B2. Building Standard (Scotland) Regulations 1990, Regulation B2.1, G2.6.

Site Installation

Loose material and sharp protrusions should be removed mechanically. Concrete and renders must be fully cured and brickwork should be flush pointed to ensure a smooth, clean and dry surface.

Precautions on site

Store in dry conditions under cover between a temperature of 5°C and 30°C. The shelf life of the product under these conditions is 1 year. Rolls must be stored horizontally, stacked no more than 5 high.

The product must not be applied when the surface temperature falls below 5°C. To ensure lap security in cool weather (below 10°C), it is advantageous to warm the self-adhesive coating by storing the product in heated conditions prior to use or using a hot air gun during installation.

Priming

All surfaces should be clean, smooth and dry. All areas must be primed with IKOpro Self Adhesive Primer as follows:

1. Ensure primer is well mixed before using.
2. Apply at a rate of 3m² to 4m² per litre and allow to dry. Drying times may be extended during winter conditions. Primed areas should be covered with Hyload Tanking Membrane 2000SA within 4 hours. Newly applied primer should be protected from contamination.

Angles and corners

These should be provided with a suitable fillet and reinforced with a 330mm wide strip of Hyload Tanking Membrane equidistant across previously primed area before commencing installation. Preformed Cloak Units are available for changes of direction. When angles have been reinforced, the membrane should be applied as follows.

Overlaps

All laps must be a minimum 100mm wide and lap joints should be checked for security as work proceeds, rolling to ensure good bonding. It is particularly important that the DPM is sealed to any wall DPC present in the location of the floor. Full continuity between wall and floor junctions must be maintained.

Horizontal (floor) application

Requires two operatives: one to progressively remove the release sheet while the other presses the membrane onto the surface with a soft broom, working from the centre outwards, to remove any air bubbles. The floor membrane should be carried up the walls to allow later connection with the DPC or wall tanking membrane. Protect the membrane as soon as possible with Hyload Protection Boards or sand/cement screed.

Vertical (wall) application

After cutting to the appropriate length, starting at the top of the wall, remove 300mm of release film and bond the membrane firmly to the substrate. Working downwards, progressively remove the release film and press the membrane onto the surface working from the center outwards to remove any air bubbles.

The upper edges of membrane must be fixed using Hyload DPC Fixing Strip and Pins, or turned into a chase, wedged and sealed using IKOpro Stickall. If the membrane is to be left exposed for any length of time, fix Hyload DPC Fixing Strip and Pins to all edges.

Prior to backfilling, membranes must be protected with a brick or block skin, or with Hyload Protection Boards. Particular care must be taken not to damage the membrane when applying a brick skin. A gap of 40mm should be left and filled with sand/cement mortar as work proceeds.

Specification clauses

Full product specifications in NBS format are available via IKO's national team of Project Managers. Please telephone or e-mail to schedule an appointment.

IKO also provides a design facility where AutoCAD drawings can be prepared to support any material specifications. Our Technical and Design Services Department also provides technical advice via the telephone and email (see below).

Other products

Full product literature, health & safety and technical sheets are available as downloads from our website www.ikogroup.co.uk or on request by email: marketing@ikogroup.co.uk

IKO PLC

Literature Enquiries

Tel: 0844 412 8554

E-Mail: marketing@ikogroup.co.uk Website: www.ikogroup.co.uk

Sales Support

Appley Lane North, Appley Bridge, Wigan, Lancashire WN6 9AB

Tel: 0844 873 1065 Fax: 0844 873 1067 E-Mail: sales@ikogroup.co.uk

Technical & Design Services

Appley Lane North, Appley Bridge, Wigan, Lancashire WN6 9AB

Tel: 0844 412 7228 Fax: 0844 412 7229 E-Mail: technical@ikogroup.co.uk



Whilst every care is taken to see 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. Intending purchasers of our materials should therefore verify with the company whether any changes in our specification or application details or otherwise have taken place since this literature was issued.

Company Registered in England No. 2678296 – Registered Office: Appley Lane North, Appley Bridge, Wigan, Lancashire, WN6 9AB