# Hyload Trade DPC

**Product Data Sheet**
**January 2014**

## High Performance Gas Resistant Damp Proof Course

### Benefits

- Suitable for use as a gas resistant DPC and cavity tray system in all types of building construction
- Low permeability to hazardous ground gases such as radon, carbon dioxide and methane
- Part of the IKO hazardous ground gas protection system conforming to the requirements of CIRIA C665, NHBC and BS8485
- Complete range of system components including jointing tape and surfacing fixing system
- Hyload Preformed Cloak Units for awkward or complex junctions
- Dedicated on-site technical support
- BBA certification and CE marking to EN 13969:2004

### Description

Hyload Trade DPC uses the same proven technology as used with Hyload Original DPC, which was the first system of its kind in the UK and was awarded the first ever Agrément Certificate in 1967. Hyload Trade has been awarded Agrément Certificate No. 95/3133. Hyload Trade is a polymeric DPC material suitable for use as a DPC and cavity tray system for all types of construction including house building, commercial, industrial and multi storey.

### Product Details

**Dimensions and Weights**

| | |
|---|---|
| Nominal weight kg/m$^2$ | 1.2 |
| Nominal thickness mm | 0.9 |
| Nominal length m/roll | 20 |

**Standard Widths**

| Roll width mm | 100 | 112.5 | 150 | 225 | 450 | 600 | 750 | 1000 |
|---|---|---|---|---|---|---|---|---|
| m$^2$ / roll | 2.00 | 2.25 | 3.00 | 4.50 | 9.00 | 12.00 | 15.00 | 20.00 |

**Non-standard widths are available to order in 25mm increments.**

### Typical Properties

| Essential Characteristic | Performance | Harmonised Technical Specification |
|---|---|---|
| Watertightness | 2kPa for 24 hrs | EN 1928 |
| Maximum tensile force | ≥ 3 Mpa | EN 12311-1 |
| Elongation | ≥ 110% | EN 12311-1 |
| Resistance to static loading | 20kg (Concrete)<br>5kg (EPS) | EN 12730 (B) |
| Resistance to impact | 500mm (Aluminium)<br>150mm (EPS) | EN 12691 |
| Resistance to tearing | Long ≥ 8.63N/mm | EN 12310-1 |
| Flexibility at low temperature | ≥ -15 | EN 1109 |

### System Components

A range of system components is available to ensure full compliance with national regulations and building standards:

- Hyload Jointing Tape (100mm x 10m roll) – double sided jointing tape for bonding lap joints
- Hyload Lap Adhesive (500ml tin) – contact adhesive for bonding lap joints
- Hyload Preformed Cloak Units – range of manufactured shapes designed for awkward or complex junctions e.g. cavity tray junctions with steel columns, gas DPC internal and external corners, etc
- Hyload DPC Mastic (400ml cartridge) – adhesive for bonding DPC to common building materials

- Hyload Fixing Strip (2m lengths) – flexible strip for securing DPC that has been bonded to vertical surfaces
- Hyload Fixing Pins for Insulation (pack of 1000 pins) and for Masonry (pack of 150 pins) – fixings for securing DPC that has been bonded to vertical surfaces
- Hyload DPC Joint Support Board (pack of 10 boards) – rigid board for supporting DPC lap joints

## Application

Installation must follow normal good practice for the detailing of damp and gas proof courses, as set out in the relevant clauses of British Standard codes of practice and Published Documents, and must be in accordance with IKO instructions. Key installation practices are as follows:

- The DPC must extend through the full thickness of the wall or wall leaf, including pointing, applied rendering or other facing material and either project beyond the external face or be laid flush with the external face.
- The DPC must be sandwiched between even beds of wet mortar. Perforations in adjacent courses of brickwork must be completely filled with mortar.
- All lap joints in the DPC must have 100mm overlap and be completely bonded using Hyload Jointing Tape or Hyload Lap Adhesive.
- To ensure damp or gas proofing integrity and to reduce site operation to simple jointing only, Hyload Preformed Cloak Units must be used at awkward or complex junctions.

## Surface Fixing

Hyload DPC Mastic, Hyload Fixing Strip and Hyload Fixing Pins should be used when the construction programme or the design requires the DPC to be post or surface fixed to the cavity face of the inner leaf. In normal circumstance the substrate does not require priming. The DPC is bonded to the vertical face of the substrate with 100mm wide band of Hyload Mastic. The DPC is then permanently secured using Hyload Fixing Strip and Hyload Fixing Pins positioned at 150mm intervals. Hyload Fixing Pins for Masonry can be used for securing to solid substrates such as blockwork or concrete whereas the rigid urethane foam insulation of composite inner leafs require Hyload Fixing Pins for Insulation.

## Storage and Handling

Hyload Trade DPC is supplied in rolls and secured with a paper wrapper. Hyload Preformed Cloak Units are supplied in cardboard cartons. Store DPC and system components above 5°C prior to use. DPC must be stored level, on end and under cover. System components must be stored under cover. Care must be taken to ensure that the DPC and system components do not become contaminated by hydrocarbon or other organic solvents. Adequate ventilation must be ensured at all times during use of Hyload Mastic and Hyload Lap Adhesive. Store and use Hyload Mastic and Hyload Lap Adhesive away from sources of ignition. Adhere to site PPE and health and safety procedures at all times.

## Other Products

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

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Structural Waterproofing