

## IKOpro SYNTHAPRUFE TRADE

### PRODUCT INFORMATION

IKOpro Synthaprufe Trade is a blend of bitumen emulsion and synthetic rubber latex and can be used to damp proof structure below, at or above ground level.

Size	Product Code
2.5 Litre	MW943902
5 Litre	MW943905
25 Litre	MW943925



### USE

Damp proofing of concrete floors, foundations, and masonry walls below, at or above ground level. The product can also be used to protect retaining wall structures.

### FEATURES & BENEFITS

**Ease of Use** – the product is cold applied with brushes, making it a cost effective, low labour application.

### PERFORMANCE & COMPOSITION

<b>Composition:</b>	Bitumen Emulsion
<b>Form:</b>	Liquid
<b>Colour:</b>	Black
<b>General Dimension Data</b>	
<b>Vessel Size:</b>	2.5L/5L/25L
<b>Application Rates:</b>	
Floors - 1 <sup>st</sup> Coat	1m <sup>2</sup> /L (1L/m <sup>2</sup> )
- 2 <sup>nd</sup> Coat	1.5m <sup>2</sup> /L (0.67L/m <sup>2</sup> )
Walls - 3 equal coats	2m <sup>2</sup> /L (0.5L/m <sup>2</sup> )

### MATERIAL HANDLING

For information regarding storage and handling, please refer to relevant sections of the IKO Safety Data Sheet.

### CONSTRUCTION

IKOpro Synthaprufe Trade can be used as a liquid applied bonded damp proof membrane on solid concrete floors and damp proofing of interior masonry wall surfaces.

The product is for use upon common building materials that are suitably robust for use in areas affected by moisture. These materials are typically concrete and masonry.

### PREPARATION

Application to new concrete floor construction should be done after the hydration period specified by the concrete provider has passed and all works to remove surface latency has been undertaken. New concrete should ideally have a wood float finish, but lightly tamped surfaces can also be acceptable provided that undulations are not greater than 5mm.

New masonry should be flush pointed or finished with a suitable sand and cement render, prepared and keyed to the substrate as required to provide an acceptable surface. Application should be commenced after the mortar has surpassed the required hydration period.

Existing masonry will require preparation that returns the surface to as close to a virgin substrate as possible. Alternatively, a suitable sand and cement render, prepared and keyed to the substrate as required will provide an acceptable surface.

All surfaces should be clean and free from contaminants with any sharp protrusions or low points suitably rectified to create a level substrate. Prior to application, surfaces should be slightly dampened with clean water.

#### **APPLICATION - DAMP PROOFING FLOORS**

The 1<sup>st</sup> coat should be applied at a rate of 1m<sup>2</sup> per litre (1L/m<sup>2</sup>) and be applied by brush, moving in one direction across the application area.

The 2<sup>nd</sup> coat should be applied at a rate of 1.5m<sup>2</sup> per litre (0.67L/m<sup>2</sup>) at right angles to the first, moving in one direction across the application area.

The membrane application must provide continuity with the damp proof course (DPC) within perimeter and internal wall constructions with the edge of the DPC exposed to facilitate contact.

At the junction where the floor meets the wall, a mortar fillet should be introduced and a 300mm strip of reinforcing fabric embedded into the 1<sup>st</sup> coat whilst still wet and over coated with a lightly charged brush. The subsequent 2<sup>nd</sup> coating would be taken through the detail in full.

The completed installation should be inspected prior to any covering work, ensuring that the membrane is not damaged and total coverage is achieved. In the event of damage to the membrane, the area must be re-coated with further liquid at the rates given previously forming 100mm overlaps with existing applications.

Completed installations must receive permanent protection from damage using a minimum 50mm sand and cement bonded screed, cast over a sharp sand blinded final coat of IKOpro Synthaprufe Trade.

Latex levelling compounds and fast flow screeds must not be used directly over IKOpro Synthaprufe Trade.

The product cannot be tiled or covered directly with floor coverings i.e. carpets, vinyl, laminate flooring.

#### **APPLICATION - DAMP PROOFING WALLS**

The product should be applied to the internal face of the walls in 3 equal coats, applied at a rate of 2m<sup>2</sup> per litre per coat (0.5L/m<sup>2</sup>/per coat).

The 1<sup>st</sup> coat should be applied by brush, moving in one direction across the application area. The 2<sup>nd</sup> coat should be applied at right angles to the 1<sup>st</sup> coat, moving in one direction across the application area.

A 3<sup>rd</sup> and final coat should be applied in the same manner and direction as the 1<sup>st</sup>.

Care should be taken at positions of detailing such as corners, door jambs and obstructions to ensure continuous protection is achieved.

At corners, a 300mm strip of reinforcing fabric embedded into the 1<sup>st</sup> coat whilst still wet and over coated with a lightly charged brush with ensure continuity is carried through angles.

The completed installation should be inspected prior to any covering work, ensuring that the membrane is not damaged. In the event of damage to the membrane, re-coat the area with further liquid at the rates given previously forming 100mm overlaps with existing applications.

Completed installations must receive permanent protection using 2 coats of gypsum based plaster to a thickness no greater than 12mm i.e. bonding coat/skim coat, applied directly to a sharp sand blinded final coat of IKOpro Synthaprufe Trade.

#### **APPLICATION - EXTERNAL RETAINING WALLS**

When used upon external retaining walls i.e. those which do not form part of a building, the product should be applied to the earth retaining face of the walls by brush.

The product should be applied in 3 equal coats, applied at a rate of 2m<sup>2</sup> per litre per coat (0.5L/m<sup>2</sup>/per coat).

The 1<sup>st</sup> coat should be applied by brush, moving in one direction across the application area. The 2<sup>nd</sup> coat should be applied at right angles to the 1<sup>st</sup> coat, moving in one direction across the application area.

A 3<sup>rd</sup> and final coat should be applied in the same manner and direction as the 1<sup>st</sup>.

The height of the application should be determined by the level of ground retained, terminating at a level coincidental to that position. The product should not be taken above ground and left exposed.

The completed installation should be inspected prior to any covering work, ensuring that the membrane is not damaged and total coverage is achieved. In the event of damage to the membrane, the area must be re-coated with further liquid at the rates given previously forming 100mm overlaps with existing applications.

Completed installations must receive permanent protection from damage by follow on work i.e. backfill operations, landscaping works. This protection can be created using Hyload 3mm Protection Board.

#### **DURABILITY**

When subject to the normal conditions of use and installed in line with the published guidance for that area of work, the product will provide an effective barrier to the transmission of liquid water and water vapour for the life of the structure into which it is incorporated.

## **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 reserve 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 issued.