



# Hydroprufe 3000

Self-Adhesive Waterproof Membrane

## DESCRIPTION

HYDROPRUFE 3000 is a high performance, cold applied waterproof membrane, manufactured from tough, cross-orientated HDPE film to a layer of rubber modified bitumen adhesive.

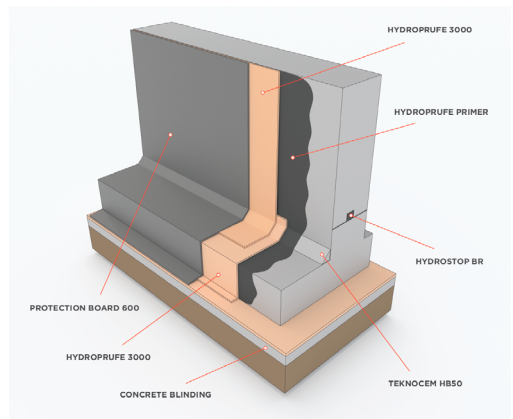
The advanced backing film gives improved technical performance on tear strength and tensile strength, puncture resistance and dimensional stability. It also offers good conformability for site application.

## USES

HYDROPRUFE 3000 is used for internal and external tanking of underground structures, reservoirs, car park and roof decks, subways, lift shafts and retaining walls. It is satisfactory for use as a waterproofing membrane for type A basement constructions grades up to and including 3 as defined in Table 1 of BS 8102:2009.

## ADVANTAGES

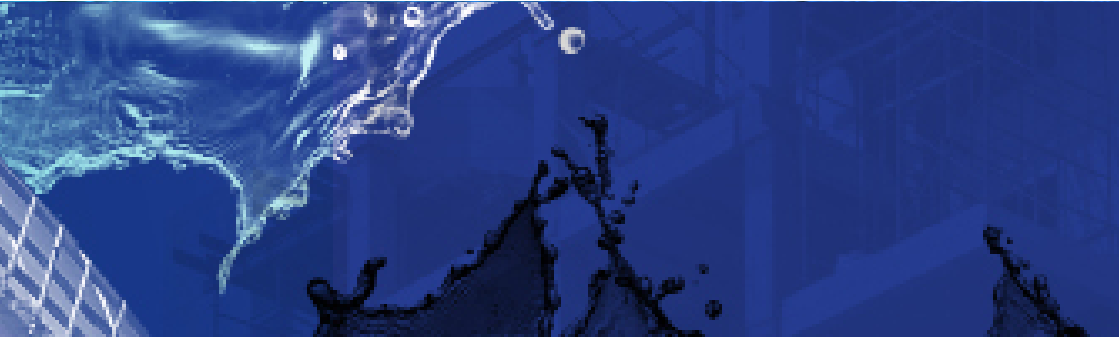
- Rapid and easy cold application.
- Flexible and accommodating giving excellent bond to substrate.
- Non-Hazardous and resistant to dilute acids and alkalis.
- High performance protection against surface and ground water and soluble salts.
- Capable of resisting a 6 Metre head of water when fully supported



## COMPLIANCE

HYDROPRUFE 3000 is approved by the BBA Certificate No. 12/4922.





## TYPICAL PROPERTIES

Property	Test Method	Value
Tensile Strength	ASTM D1000	5.0 MPA
Elongation	ASTM D1000	300%
Puncture	ASTM E154	230 N
Adhesion (180° Peel)	ASTM D1000	4.0 MPa
Water Vapour Transmission	ASTM E96	0.3g/ M2/24Hr
Water Penetration at joint	MOAT 275.1.4	Nil

## PROCEDURE

**Surface Preparation:** The surface should be smooth and free from sharp projections and hollows. Cured concrete bases should be dry and swept free of dust and rubble. Internal and external angles require profiling prior to application.

**Priming:** Apply Hydroprufe Primer by roller brush or spray (at a nominal rate of 8M2 per litre) and allow to dry.

**Application:** The release paper should be removed for the first 500 mm of the roll and the membrane pressed firmly into position to ensure no air pockets are formed. Application of the roll is then completed by continuing to remove the

release paper and smoothing the membrane onto the substrate.

Adjacent rolls should allow a minimum side overlap of 50 mm and end overlap of 100mm This overlap is in addition to any overlap on to the selvedge. Prior to overlapping adjacent rolls the release strip protecting the selvedge should be removed. Joints should be firmly pressed to ensure a watertight seal. On internal or external angles or corners a reinforcing strip should be applied. The membrane should always be laid across the falls. After application, to ensure the membrane is not damaged during backfilling or by following trades a screed or protection board should be laid immediately. If the substrate is damaged ensure that the substrate is repaired using a suitable Premcrete repair product.

## ANCILLARY PRODUCTS

**Protection Board 600:** Bitumen impregnated board designed to protect membranes from damage through backfilling and trafficking.

**Hydroprufe Primer:** Bitumen primer for application to all porous substrates prior to application of Hydroprufe 3000.

**Hydroprufe Top Hat:** Preformed polymeric Top Hat to waterproof around pipe penetrations through the membrane.

**Hydroprufe Corner Piece:** Preformed polymeric



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## PACKAGING

Hydroprufe 3000 is supplied in 1.05 x 19.05 M rolls.  
Hydroprufe Primer is supplied in 5 ltr and 25 ltr drums.

## STORAGE

The membrane rolls must be stacked on end and stored in dry, well-ventilated buildings, out of direct sunlight or other major sources of heat. Storage conditions should be adjusted before application to bring the temperature of the rolls to within the application range specified.

## HEALTH & SAFETY

Please refer to separate Material Safety Data Sheet.

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