

## Description

rbs Tanking Membrane 3000 is a cold applied, flexible waterproofing membrane combining a special high performance cross laminated, HDPE carrier film with a self-adhesive rubber bitumen compound. It is supplied to sites in rolls 1.5mm thick, 1.05m wide and 19.05m (20m<sup>2</sup>) long and is unrolled sticky side down onto a concrete binding, concrete slabs or bonded to vertical concrete faces that have been primed. Continuity is achieved by overlapping 50mm and firmly rolling the joint. It is extremely flexible and will bridge shrinkage cracks in concrete.

## Recommended Use

For general waterproofing of:

- Internal and external tanking of underground structures.
- Reservoirs.
- Car park and roof decks.
- Subways, lift shafts and retaining walls.

## Standards

rbs Tanking Membrane 3000 meets the requirements of BS/EN13969: Flexible sheets for waterproofing—Bitumen damp proof sheets including bitumen basement tanking sheets (Certificate of Conformity of the Factory Production Control: 0836-CPR-18/F429).

## Advantages:

- Waterproof - capable of resisting a hydrostatic head when fully supported.
- Cross laminated film - provides dimensional stability, high tear strength, puncture and impact resistance.
- Cold applied - no heating, self adhesive overlaps ensure continuity.
- Chemical resistant - provides effective external protection against aggressive soils and ground water.
- Flexible - accommodates minor settlement and shrinkage movement.
- Controlled thickness - factory made sheet ensures constant, non variable site application.
- Substrate compatibility - wood, brick, concrete, metal, other construction materials.

## Application

- rbs Tanking Membrane 3000 & rbs Tanking Membrane Primer should not be attempted in temperatures below 3°C.
- Measures should be taken to ensure that all surfaces are free from ice, frost or condensation.
- Roof slab surfaces must be dry, and free from sharp

protrusions, and any hollows to be filled with high strength mortar.

- Horizontal and vertical faces must be smooth, regular, dry and free from nails.
- Prime the horizontal and vertical surfaces with one coat of rbs Primer applied by brush or roller at a rate of 6-8 sqm per litre depending on the porosity of the surface, and allow to dry completely before the application of rbs Tanking Membrane 3000.
- rbs Tanking Membrane 3000 should be laid by peeling back the protective silicone release paper and applying the self-adhesive face on to the surface to ensure good initial bond.
- Adjacent rolls are aligned and overlapped 50mm minimum at side and 50mm at ends, and the overlaps well rolled with a firm pressure using a lap roller to ensure complete adhesion and continuity between the layers.
- Following the application and inspection, care should be taken to prevent damage by following trades.
- As soon as practicable after the application, rbs Tanking Membrane 3000 should be protected from exposure to the weather and physical damage using rbs Protection Boards, insulation or drainage composites laid dry.
- Any punctured or damaged areas should be cleaned and patched using rbs Tanking Membrane 3000 with minimum 50mm laps all around.
- Following the application, care should be taken to prevent damage by following trades by using protection boards spot bonded with pak adhesive or a 25mm screed as horizontal protection.
- Vertical faces to be protected against damage from backfilling and reinforcement by using rbs Protection Boards spot bonded with pak adhesive.

## Repairs & Protection

Damaged areas to be repaired by patching with an oversize patch applied to a clean dry surface extending 100mm beyond damage and firmly rolled. The membrane should be protected against damage.

## Ancillary Products

View individual data sheets for more technical information.

Liquid Membrane	5ltr & 25ltr packs
Lapping Tape	300mm x 20m roll
Protection Boards	3mm x 0.9m x 2.02m
Drainage Membrane FC12	12mm x 1m x 50m roll

## Technical Data

Property	Metric	Test Method
Total Thickness	1.5mm	EN 1849-1
Backing Thickness	0.1	EN 1849-1
Adhesive Thickness	1.4mm	EN 1849-1
Mass Per Unit Area	1.3kg / m <sup>2</sup>	EN 1849-1
Water Tightness to Liquid Water	Watertight at 2KPa	EN 1928 Procedure A
Resistance to Static Load	<5kg	EN 12730 Method B
Tensile Properties	Transverse: 260N/50mm, 150% Longitudinal: 250N/50mm, 210%	EN12311-1
Durability of Watertightness Against Artificial Aging	Watertight at 2KPa	EN1928 Procedure A (after EN1296)
Durability of Watertightness Against Chemicals	Watertight at 2KPa	EN1928 Procedure A (after EN1847)
Resistance to Tear (Nail Shank)	Transverse: 140N Longitudinal: 140N	EN12310-1
Impact Resistance	200mm	EN 12691 Method A
Low Temperature Flexibility	-25°C	EN 1109
Joint Strength	Transverse: 235N Longitudinal: 210N	EN 12317-1
Water Vapour Transmission	0.28g/m <sup>2</sup> /24hrs	EN 1931
Reaction to Fire	Pass	EN13501-1
Storage Temperature Range	<35°C	
Application Temperature Range	-10°C to +35°C	
Service Temperature Range	-20°C to +80°C	

The information given on this sheet is, to the best of our knowledge, true and accurate. No guarantee of the results implied, or any loss or damage arising out of this material, however, are possible as the conditions of application are beyond our control. This is not withstanding any liability arising from the Consumer Protection Act 1987 and the Health & Safety at Work Act. Health and Safety data is available on this product and should be referred to prior to its use

## Roll Details

Size	1.05m wide x 19.05m long (20m <sup>2</sup> )
Weight	34kg

## Important Note

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy themselves that each product is fit for the purpose for which they intend to use it. Ensure that the actual conditions of use are suitable, and that in the light of our continual research and development programme, the information relating to each product has not been superseded.

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For more information on the Resapol Foundation, please visit our website at [www.resapol.com](http://www.resapol.com).

## Resapol Ltd

Unit D4, Moss Industrial Estate, Walter Leigh Way,  
Leigh, Lancashire WN7 3PT

T 0800 083 1942 E [sales@resapol.com](mailto:sales@resapol.com)

[www.resapol.com](http://www.resapol.com)