



BLACKSHEET®

SELF-ADHESIVE BITUMEN COMPOSITE MEMBRANE

DESCRIPTION

Blacksheet is a self-adhesive polymer modified bitumen membrane laminated with high density polyethylene used for waterproofing below ground installations.

APPLICATIONS

- Basements
- Concrete Retaining Walls
- Masonry Structures
- Tunnels
- Roofs
- Reservoirs

DURABILITY

Fully adhered & protected Blacksheet membrane is satisfactory for use in accordance with the relevant clauses of CP 102:1973 section 2 or BS 8102:1990 regarding performance as an effective waterproof/damp proof membrane.

INSTALLATION

Preparation

New concrete, screed or render should have a brushed or wood float finish, and should be free from contamination by any material which could impair adhesion. All surface defects should be repaired by approved methods. All protrusions greater than 3mm should be removed.

Existing concrete, screed or render should be free from defects, Brickwork, blockwork and masonry should be flush pointed.

All substrates should be dry and free of dust. After preparation, surfaces should be primed during dry weather using Blacksheet Primer and allowed to fully cure.

Application

Remove the release paper. As the sheet is laid, press the membrane from the centre outwards to avoid entrapping air & ensure that creases are eliminated. Overlaps are to be secured by pressure from a hard roller. Along the sides a minimum of 50mm overlap between sheets is required with a minimum of 100mm at end laps.

Protection

For horizontal installations, the minimum requirement is a 50mm concrete screed. Vertically, the membrane should be protected prior to backfilling by Blacksheet Protection Board. To prevent any membrane movement backfilling should take place immediately after application.

Internal Tanking

In areas subjected to negative water pressure, the membrane should be installed internally by erecting a single skin of brickwork or blockwork with a minimum 20mm cavity. The cavity should be filled using an approved non shrink grout as construction proceeds (CETCO TBF).

LIMITATIONS

Blacksheet should not be installed during any periods of precipitation, and air temperature must be 5°C or greater.

HEALTH & SAFETY

There are no health & safety implications in the normal use of this product.

TECHNICAL DATA

Form	Self Adhesive Sheet
Protection Film	HDPE
Film Thickness	0.1mm
Total Thickness	1.5mm
Water Vapour Transmission ASTM E96	0.05g/m ² /hour
Water Absorption ASTM D570	0.09%
Tensile Strength ASTM D412	L=50N/mm, T=9N/mm
Elongation ASTM D412	L=352%, T=288%
Compound Elongation ASTM D412	>2000%
Adhesive Strength to Self ASTM D100	5.2N/mm ²
Adhesive Strength to Primed Concrete ASTM D100	4.9N/mm ²
Cold Flexibility	-40°C
Hydrostatic Pressure DIN 16935	No Leakage
Puncture Resistance ASTM E154	262N
Tear Resistance DIN 53363	L=71N, T=88N

NOTES

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee.

Further information is available from our technical department

SIZE & PACKAGING**Materials Supplied**

Roll Size	1m x 20m
Roll Weight	32Kg