

D-Shield 1.5mm

TECHNICAL DATA SHEET (TDS)



High-quality self-adhesive bituminous membrane

DESCRIPTION

D-Shield 1.5mm is a self-adhesive, SBS-modified bituminous waterproofing membrane reinforced with a cross-laminated HDPE film. Designed for below-ground waterproofing, it provides excellent adhesion, crack-bridging performance and long-term protection against water ingress for concrete structures.

RECOMMENDED USE

- Foundations
- Retaining walls
- Lift pits
- Basements
- Tunnels and underpasses
- Water-retaining structures
- Damp-proof courses (DPC)
- Concrete substructures

FEATURES AND BENEFITS

- Self-adhesive application
- SBS-modified bitumen
- Excellent crack bridging
- Excellent adhesion
- Waterproof and vapour barrier
- Factory-controlled thickness
- Durable below-ground protection

PRODUCT INFORMATION

Membrane Type	SBS Self-Adhesive
Thickness	1.5 mm
Carrier Film	Cross-Laminated HDPE
Tensile Strength(ASTM D 638)	4.5 -5 N/mm ²
Elongation(ASTM D 412)	800–1200%
Tear Strength	250–320 N/mm
Crack Bridging	≥1 mm
Self-Adhesion	2.5–3.0 N/mm
Chemical Resistance	pH 2.5–11.5
Service Temperature	-20°C to +75°C

APPLICATION PROCEDURE

General

D-Shield 1.5 shall be applied in accordance with the recommended application guidelines by trained personnel.

Surface Preparation

Ensure the substrate is sound, clean and free from dust, oil, grease, laitance and other contaminants. Remove loose material, repair surface defects and form corner fillets where required.

Priming

Prime the prepared surface using a brush or roller and allow it to become touch dry before membrane installation. Re-prime if the surface remains exposed for more than **24 hours**.

Placing

Install the membrane from the lowest point to the highest level. Cut the membrane to the required size and align it before application.

Membrane Installation

Gradually remove the release film while firmly pressing the membrane onto the primed surface from the centre towards the edges to eliminate trapped air and ensure full adhesion.

Overlaps & Detailing

Provide a minimum **50 mm side overlap** and **100 mm end overlap**. Press all overlaps firmly and reinforce corners, joints and penetrations as required.

Protection

Protect the installed membrane immediately with a suitable protection board, protection membrane or cement-sand screed before subsequent construction activities.

Precautions

Wear suitable PPE and refer to the SDS/MSDS before use.

Statement of Responsibility (Disclaimer)

The technical information and application advice are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

D-Shield 1.5mm

TECHNICAL DATA
SHEET (TDS)



High-quality self-adhesive bituminous membrane

Statement of Responsibility (Disclaimer)

The technical information and application advise are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

Ducon Polymer Flooring (DPF)

www.duconasia.com

D-Shield 1.5mm

TECHNICAL DATA
SHEET (TDS)



High-quality self-adhesive bituminous membrane

Statement of Responsibility (Disclaimer)

The technical information and application advise are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

Ducon Polymer Flooring (DPF)

www.duconasia.com