

D-Shield 3mm

TECHNICAL DATA SHEET (TDS)



High-Quality Torch-Applied Bituminous Waterproofing Membrane

DESCRIPTION

D-Shield 3mm is a premium SBS polymer-modified, polyester-reinforced torch-applied bituminous waterproofing membrane with a mineral slate finish. 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

- Long-term waterproof protection
- SBS-modified bitumen
- Excellent crack bridging
- Excellent adhesion
- Waterproof and vapour barrier
- Factory-controlled thickness
- Durable below-ground protection

PRODUCT INFORMATION

Membrane Type	SBS Torch Applied
Thickness	3 mm
Surface Finish	Mineral Slate
Tensile Strength	800 / 600 N/5 cm
Elongation	>40 / 50%
Tear Strength	300–400 N/mm
UV Resistance	Excellent
Heat Resistance	No Flow @ 120°C
Softening Point	150°C
Service Temperature	-20°C to +75°C

APPLICATION PROCEDURE

General

D-Shield 3 mm 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, grease, oil, laitance and other contaminants. Remove loose material, repair surface defects and form corner fillets where required.

Priming

Apply primer uniformly and allow it to become touch dry before membrane installation.

Placing

Position and align the membrane before torching. Install from the lowest point to the highest level to ensure proper water shedding.

Membrane Installation

Heat the underside of the membrane and the primed surface evenly using a propane gas torch. Roll the membrane into place while applying firm pressure to achieve full adhesion and eliminate trapped air.

Overlaps

Provide a minimum **100 mm side overlap** and **150 mm end overlap**. Heat and seal all overlaps thoroughly to form a continuous watertight membrane.

Protection

Protect the installed membrane with a suitable protection board, screed or finishing layer where required.

Precautions

Wear suitable PPE during application 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.

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Ducon Polymer Flooring (DPF)

www.duconasia.com

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