



Description

Delta DualProof is a fully and permanently bonded, Pre-Applied, Type A waterproofing membrane. DualProof is a continuous Type A waterproofing system for pre-application seals foundations, below ground surfaces of floors and walls and details of reinforced concrete earth retaining structures. Delta DualProof is applied before steel reinforcement is fixed and concrete poured. The special non-woven PP-Fleece of DualProof is co-extruded with a highly flexible, water and gas resistant, transparent PVC layer. Freshly poured concrete forms a strong mechanical bond with the PP-Fleece, preventing water tracking between the membrane and the concrete once cured. DualProof can be installed without heat or open-flame, overlapped and sealed with butyl tape and special adhesive, CEM 805 for detailing. DualProof has excellent crack-bridging capabilities at locations where cracks occur within the concrete.

Features

- BDA Approved
- Full and permanent mechanical and chemical bond with concrete structures
- Type A, Pre-applied waterproofing protection
- No lateral water migration between concrete and membrane
- Fast and easy installation
- High flexibility and crack-bridging capabilities
- High watertightness
- Good resistance to aggressive conditions

Fields of Application

- DualProof may be used in all applications, where reinforced concrete structures require protection against groundwater and contaminants
- Used for water pressure-tight surface sealing of RC concrete structures
- External barrier, for the waterproofing and protection of floor slabs and exterior concrete wall surfaces against soil moisture
- Foundations
- Basements
- Tunnels
- Retaining Walls

Product Details

DMS 480

Specification

- J40/20 Loose-laid plastics or rubber sheet damp-proofing
- J40/120 Loose-laid plastics or rubber sheet damp-proofing
- J40/35 Loose-laid plastics or rubber gas-retardant membranes
- J40/30 Loose-laid plastics or rubber sheet oversite damp-proofing
- J40/130 Loose-laid plastics or rubber sheet oversite damp-proofing
- J40/140 Loose-laid plastics or rubber sheet gas-retardant membranes
- Pr_25_57_65_60 Plastics Sheet

Associated Products

- CEM 805
- Delta Geo-Drain Quattro
- Delta Puddle Flanges
- Koster NB 1
- Koster Quellband
- Koster Repair Mortar Plus



PRODUCT DATA SHEET

Delta DualProof

Technical Data

Delta DualProof			
Intended Use	EN 13967 – Flexible membrane for waterproofing (Building) Type A Waterproofing membrane with moisture barrier and groundwater barrier		
Material	Soft PVC membrane + PP nonwoven		
Visible Defects	No visible defects	Passed	EN 1850-2
Straightness	≤ 75 mm / 10 m	Passed	EN 1848-2
Thickness	19mm		EN 1849-2
Watertightness Against Water	690 kPa 60 kPa / 24h; 500 kPa / 72h	Tight	ASTM D 5385 EN 1928 (B)
Durability Against Artificial Aging	12 weeks / 70 °C; 60 kPa	Tight	EN 1296 EN 1928 (B)
Durability Against Chemicals	28 d / +23 °C; 60 kPa / 24h	Tight	EN 1847 EN 1928 (B)
Compatibility With Bitumen	60 kPa / 24h	Tight	EN 1548 EN 1928 (B)
Watertightness in Case of Subsequent Cracks	DualProof mechanical bond with freshly poured concrete	Tight	ASTM D 5385
Tensile Strength MD / CMD	≥ 500 / 500		EN ISO 12311-2 (A)
Shear Resistance in the Overlapping	Collapse outside of the overlapping: ≥ 300	N/50mm	EN 12317-2
Resistance to Impact	≥ 350	mm	EN 12691 (A)
Tear Resistance MD / CMD	≥ 350 / 350	N (Nailshank)	EN 12310-1
Resistance to Static Load	≥ 20kg / 24h	Passed	EN 12730 (A) EN 12730 (B)
Crack Bridging Ability	≥ 3.2	mm	Passed ASTM D 5385
Reaction to Fire	Class E		EN ISO 11925-2 EN 13501-1

Packaging

Supplied in 1.08m x 20m rolls

Installation

Please refer to the Delta Installation Guides. Installation Guides can be found at www.deltamembranes.com/technical/delta-installation-guides/. We have a number of "How to" subject related video guides available on your Youtube Channel and Website. Please visit www.deltamembranes.com/technical-categories/the-video-suite/

Storage

- Store safely and keep out of reach of children.
- Always store and transport in a secure upright position.
- DualProof should be stored in its original packaging and kept dry and protected from direct sunlight, snow, ice, water, heat or heat sources.
- The storage temperature should be between +5°C and +30°C.

Other Information

All data and information contained in these Product/Technical Data Sheets is up-to-date and correct as at the date of issue. The information given is suggested as guidance and should only be used for evaluating your specific application. Delta Membrane Systems Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. The information contained in these Product/Technical Data Sheets should not be considered a warranty, expressed, or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose. In no event shall Delta Membrane Systems Limited be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory. When in doubt, contact Delta's Technical Team on 01992 523 523.

Durability

Delta DualProof membranes when installed by Delta registered installer are supported by a 10 Year system warranty.

Guarantees

Delta Membrane Systems Limited offer a 10-year Product Guarantee on DualProof membranes when a Delta System has been installed by a Delta Registered Installer. A list of experienced Delta Registered Installers is available from Delta's offices.

Safety

Always follow the instructions provided in the material safety data sheet and take the precaution described there. Wear appropriate Protective Personal Equipment (PPE) when applying and using the material. Observe all governmental, state, and local safety regulations when processing the material.

