



Description

Delta DPM is a Damp Proof Membrane. Delta DPM can be installed over hardcore and blinding to protect ground-bearing concrete floors/slabs from moisture. It is designed for solid floors which are not subject to hydrostatic pressure.

Delta DPM effectively resists ground moisture and rising damp. Ideal for domestic, commercial, and industrial structures.

Delta DPM has an anti-slip profile on both sides which stabilises the sheet and optimises adhesion to mortars.

Features

- Extremely durable and tear-resistant
- Special polyolefin blend forming a sheet approx. 0.4 mm thick
- Flexible and easy to install
- Resistant to extreme temperatures
- UV-stabilized
- Long-term protection
- Resistant to chemicals, root penetration, rotproof

Fields of Application

- Protects against moisture, acting as a damp-proof membrane (DPM)s
- Suitable for horizontal applications
- For foundations
- Can be installed over blinding and hardcore
- Suitable for use in concrete floors in residential applications
- Suitable for use in concrete floors in commercial applications

Associated Products

- Delta Cornerstrip
- Delta Sealing Tape
- Delta Sealing Rope

Product Details

DMS 119

Specification

- J40/297 Waterproofing/Damp-proofing/gas-retardant membrane
- J40/120 Loose-laid plastics or rubber sheet damp proofing
- J40/20 Loose-laid plastics or rubber sheet damp proofing
- F30/360 Gas-resistant damp-proof courses/cavity trays
- Q37/355 Combined layers
- Pr_25_57_65_60



NBS Source



Technical Data

Delta DMP			
Characteristics	Methods	Values	Units
Application	-	Plastic damp proof course and gas barrier for building constructions against rising humidity, gas like radon or methane etc.	-
Material	-	LDPE	-
Colour	-	Black	-
Surfaces	-	Both faces features a non-slip profile to ensure also optimum mortar adhesion.	-
Properties	-	Bitumen compatible, root-proof and UV-stabilized. Highly flexible even at low temperatures, so that no cracks will occur in the material. Being relatively thin, strips will come off the roll quickly and are easy to work with.	-
Weight	EN 1849-2	Approx. 280	g/m ²
Thickness	EN 1849-2	Approx. 0.4	mm
Transmission Properties			
Methods	Values	Units	
Sd-value	EN ISO 12572	95	m
Water Vapour Transmission	-	2.05 . 10 ⁻¹²	kg/m ² .s.Pa
Resistance Against Water Vapour Diffusion μ	-	185.000	-
Radon Permeability k	-	20. 10 ⁻¹²	m ² /s
Radon Transmittance	-	50. 10 ⁹	m/s
Radon Flow Rate P	-	Approx. 0.0025	Bq/(m ² .s)
Mechanical Properties			
Methods	Values	Units	
Tensile Strength MD/CD	EN 12311-1	Approx. 250/160 (±10%)	N/5 cm
Resistance to Tearing MD/CD	EN 12310-1	> 80 / 80 N	N
Water Column	-	4 m, 72 hours	-
Watertightness	EN 1928	Watertight (2 kPa / 24 hours)	-
Watertightness after artificial ageing by longterm exposure to elevated temperature	EN 1928 EN 1296	Watertight (2 kPa / 24 hours), ageing 12 weeks 70°C	-
Watertightness after exposure in alkaline environment	EN 1928 EN 14909	Passed	-
Resistance to folding at low temperatures	EN 495-5	≤ -20	°C
Resistance to Impact	EN 12691	≥ 150	mm



PRODUCT DATA SHEET

Delta DPM - Damp Proof Membrane

Technical Data

Delta DMP			
Other Properties	Methods	Values	Units
Reaction to Fire	EN 13501-1	E	-
Temperature Range	-	-30 à +80	°C
CE Conformity	EN 14909	Yes	-
Roll Dimension	-	4 x 25	m

Packaging/Handling

- Supplied in 4m x 25m rolls

Storage

- Delta DPM is UV Stable
- Store safely and keep out of reach of children
- Always store and transport in a secure upright position

Guarantees

Delta Membrane Systems Limited offer a 30-year Product Guarantee on membranes, seals and fixings when a Delta Gas Protection System has been installed by a Delta Registered Installer.

A list of experienced Delta Registered Installers is available from Delta's offices.

Installation

Please refer to Delta's 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/

Durability

Subject to normal conditions, Delta DPM will provide an effective barrier for the life of the building.

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.

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.

