



**Description**

Delta AT 800 is an innovative Type C Drainage Membrane which conforms to BS 8102:2022 and BS 8485:2015+A1:2019, Table 7 achieving waterproofing and ground gas protection simultaneously.

Delta AT 800 offers maximum protection in just one application. Designed to offer drainage protection in Type C waterproofing in accordance with BS 8102:2022 this innovative membrane also offers barrier protection to ground gases Carbon Dioxide, Radon and Methane in accordance with BS 8485:2015+A1:2019, Table 7 with high adhesion to the application of flame retardants.

This Virgin Polymer profiled membrane has an 9mm studded brown profile creating a large 7.9 litre per square meter void suitable for use as part of a Type C waterproofing solution in accordance with BS 8102:2022 for the protection of below ground structures against the potentially adverse effects of ground water ingress, in waterproofing structures below ground level (basements) and isolating damp walls above ground level.

**Features**

- 9mm studded profile
- Air volume between studs: 7.9 l/s m<sup>2</sup>
- An effective barrier to gas – including Methane, CO2 and Radon
- Table 7, BS 8485:2015+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings
- BS 8102:2022 Type C Waterproofing Protection
- Suitable for Waterproofing, damp proofing and flood resilience (PFR)
- Resistant to chemicals, root penetration, rotproof

**Durability**

Durable for 100 years in natural soil with 4 ≤ pH ≤ 9 and soil temperature ≤ 25 °C.

**Packaging**

Supplied in 2m x 20m rolls

**Product Details**

DMS 026

**Technical Data**

Delta AT 800	
DMS	026
Material	Highly Stabilized Virgin HPDE
Stud Height	9mm
Flat Edge/Self Adhesive	Yes/None
Roll Size	2m x 20m
Air Volume Between Studs	7.9 l/m <sup>2</sup>
Contact Area Dimples/Surface	700 cm <sup>2</sup> /m <sup>2</sup>
Diagonal Dimples per m <sup>2</sup>	2500 pcs
Temperature Resistance	-30°C to +80°C
Reaction to Fire	EN 13501-1 Class E
Straightness	Passed <75 mm/10m

**Associated Products**

- Delta Qwikseal Plugs
- Delta Sealing Tape
- Delta Cornerstrip
- Delta Gas Over Tape 150
- Delta LM 800



# PRODUCT DATA SHEET

## Delta AT 800

Characteristics	Methods	Values	Units
Dimpled Sheet	-	Virgin Polymer	-
Geotextile	-	None	-
Additional Layer(s)	-	None	-
Flat Edge/Self-Adhesive Edge	-	Yes/None	-
Dimpled Height	EN 964	Approx 9	mm
Air Gap Between Dimples	-	Approx 7.9	L/m <sup>2</sup>
Contact Area Dimples/Surface	-	Approx 700	cm <sup>2</sup> /m <sup>2</sup>
Diagonal Dimples per m <sup>2</sup>	-	Approx 2.500	Pcs
Dimensions of Rolls	EN 1848-2	20 x 2.0	m
Straightness	EN 1848-2	Passed <75	L/m <sup>2</sup>
Package	-	6 Rolls on Pallets	-
Certification	Specification Sheet Alp Transit	Passed	-

Mechanical Properties	Methods	Values	Units
Pressure Resistance	EN ISO 25619-2	Approx 650	kPA
Resistance Against Mechanical Perforation	EN 918	Diameter of the Hole: 13.4	mm

Other Properties			
Service Temp Range	-	-30 up to +80	°C
Resistance to Water Penetration	EN 1928	Waterproof	-
Resistance of Waterproofness Against Artificial Aging at Elevated Temperatures	EN 1296	Passed	-
Durability Under Alkaline Environment	EN 13984	Passed	-
Methane Permeability	EN ISO 15105-1	<31 (Less Than)	mL/m <sup>2</sup> /day/atm

Drainage Capacity in the Plane		EN ISO 12958				
Load	Hydraulic Gradient	i = 0.02	i = 0.03	i = 0.10	i = 1.00	-
20 kPA		0.33	0.42	0.84	3.10	L/s m
200 kPA		0.33	0.42	0.84	3.10	L/s m

### Fields of Application

- Compatible with all types of construction
- Rapid cost-effective installation
- Ideal for complex substructures
- Suitable for new and existing structures
- Suitable for ground gas protection
- Creates a continuous air gap in substrates
- An effect barrier to the transmission of salts, liquid water and water vapour
- An effective barrier to gas – including Methane, CO2 and Radon

### Specification

- BS 8102:2022 Protection of below ground structures against water ingress. Code of practice.
- BS 8485:2015+A1: 2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings
- J40/290 High-density polyethylene/polypropylene studded cavity drain membrane
- J40/47 High-density polyethylene/polypropylene studded cavity drain membrane
- Classification Pr\_25\_57\_51\_74

### 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.

### 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.

### Installation

Please refer to the Delta Type C Installation Guide. Installation Guides can be found at [www.deltamembranes.com/technical/delta-installation-guides/](http://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/](http://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

### Guarantees

Delta Membrane Systems Limited offer a 30-year Product Guarantee on membranes, seals and fixings when a Delta Cavity Drain System has been installed by a Delta Registered Installer. A list of experienced Delta Registered Installers is available from Delta's offices.

