



Description

Delta Amphibia WT Construction is a hydro-expansive waterstop with a centralised reinforced steel mesh, designed to prevent water from leaking from or into concrete structures through construction joints. Delta Amphibia WT Construction can swell by up to 5 times in volume in the presence of water creating a pressure seal while maintaining its density. When there is no moisture present Delta Amphibia WT Construction will reduce back to its original size.

Delta Amphibia WT Construction is flexible, offering conformability to intricate details.

Features

- Forms an impermeable barrier against water in construction joints
- Excellent adhesion to substrates even during casting, adhesion increases as expansion increases when in contact with water
- Quick and easy installation by simply nailing
- Fills voids and cracks in concrete
- High resistance to hydraulic loads
- Excellent dimensional stability even when the volume increases due to premature contact with water
- Maintains density

Fields of Application

- To seal vertical and horizontal concrete construction joints

Specification

- BS 8102:2022 Protection of below ground structures against water ingress. Code of practice.
- NBS J40 / 130 – Flexible Sheet Tanking / waterproofing
- NBS E40/320 Hydrophilic waterstops

Product Details

DMS 1043 – Delta Amphibia WT Construction 20mm x 10mm
DMS 1044 – Delta Amphibia WT Construction 25mm x 15mm

Technical Data

Specification	Value
Specific Weight	1.02 g/cm³
Application Temperature	-15°C +50°C
Colour	Black
Feature	Value
Dimensions	20x10mm 25x15mm
Expansion due to contact with water (7 days)	> 500%
Hydraulic seal	No passage up to 700 kPa
Hydraulic seal on 5 mm crack with expansion of 100%	No passage up to 150 kPa

The data reported are obtained in the laboratory at +20°C and 60% R.H. (relative humidity).

Associated Products

- Delta Amphibia Membranes
- Delta Amphibia AKTI-VO 201
- Delta Amphibia BI Mastic



Packaging

DMS 1043 Supplied in 20mm x 10mm rolls (21m) complete with fastening nails

DMS 1044 Supplied in 25mm x 15mm rolls (30m) complete with fastening nails

Storage

- Store safely and keep out of reach of children
- Always store and transport in a secure position
- Store in a dry location protected from direct sun light and humidity

Installation

Substrates should be clear of dust and loose materials. Even any newly poured concrete where Delta Amphibia WT Construction to be applied using a trowel. To install, simply apply Delta Amphibia WT Construction with the protective paper facing upwards. Remove the protective paper and nail (using supplied nails) Delta Amphibia WT Construction in place at 150mm intervals using an overlap of 100mm where necessary.

Heat guns may be used for butt seals, or bonding materials such as Delta Amphibia Bi Mastic or Delta Amphibia AKTI-VO 201.

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/

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.

Delta Amphibia WT Construction cannot be used for dilatation/expansion joints.

Delta Amphibia WT Construction requires a minimum cover of 80mm.

Delta Amphibia WT Construction must be placed on to the application surfaces, making sure that no material remains between the product and the surface. Spacers or tie rods of the vertical casting must be placed at a minimum distance from the horizontal plane, of no less than 50mm-100mm.

Adequate training is required before industrial or professional use.

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.