



# Delta<sup>®</sup> -MS

## Delta<sup>®</sup>-MS Dimpled Drainage Board

### Delta<sup>®</sup> Drain Features:

- Non-polluting and non-toxic
- Bridges cracks and ignores damage points of foundation walls
- Drainage Layer Certification – CCMS # 12788-R
- Can be installed on damp or frosty surfaces
- Long Lasting- will not break down or disintegrate due to soil acids.
- Uses Recycled Plastic Waste

### Product Description:

DELTA<sup>®</sup>-MS is a high impact resistant, dimpled drainage board system made from a specially compounded high-density polyethylene (HDPE) resin blend. The membrane is remarkably impermeable to water and water vapor and is unaffected by acidic or alkaline environments. Carefully formulated using highly efficient additives, the HDPE in Delta-MS is stabilized against damage due to oxidation. Delta-MS provides outstanding compressive strength, impact resistance, resistance to chemical attack, and environmental stress crack resistance (ESCR).

DELTA<sup>®</sup>-MS is the only dimpled membrane in the market that is manufactured using an environmentally friendly co-extrusion process. Delta's unique processes utilizes virgin polyethylene on the outside layers and post-industrial recycled HDPE in the middle. An added benefit of this process renders the product significantly more resilient to environmental influences like oxygen, acidic soils or alkaline environments (concrete wall), etc. Tests performed by accredited, independent laboratories confirm the unrivaled long-term performance. The membrane is vacuum formed into a specially designed dimpled pattern to create an air-gap at the foundation wall. This unique design allows any water getting past the dimpled membrane to fall freely to the drain tile at the base of the foundation.

### Technical Data

<b>Color</b>	chocolate brown with orange stripe
<b>Material</b>	high-density polyethylene (HDPE)
<b>Dimple height</b>	apprx. 5/16" (8 mm)
<b>Compressive strength</b>	apprx. 5,200 psf (250 kN/m <sup>2</sup> )
<b>Roll dimensions</b>	3.5' x 65.6' (1.07 x 20 m)    5.0' x 65.6' (1.52 x 20m) 6.0' x 65.6' (1.83 x 20 m)    6.6' x 65.6' (2.00 x 20 m) 7.0' x 65.6' (2.13 x 20 m)    8.0' x 65.6' (2.45 x 20 m) 9.8' x 65.6' (3.00 x 20 m)
<b>Air-gap volume between dimples</b>	apprx. 0.13 gal/ft <sup>2</sup> (5.3 l/m <sup>2</sup> )
<b>Temperature range</b>	-22°F to +176°F (-30°C to +80°C)
<b>Chemical properties</b>	excellent chemical resistance, no root-penetration, rot-proof, approved for drinking water applications
<b>Toxicity</b>	non-toxic, non-polluting
<b>Flammability</b>	B2 according DIN 4102, B1 available upon request
<b>Service life expectancy</b>	> 25 years (at pH between 4 and 0, and temperature < 25°C). The membrane should not be exposed to UV light for more than 30 days.



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