

DELTA[®]

HIGH PERFORMANCE AIR & MOISTURE BARRIERS

DÖRKEN

DELTA[®]-MS UNDERSLAB

Underslab Vapor Retarder.[™]



For concrete slabs on or below grade in
residential and commercial construction.

DELTA®-MS UNDERSLAB

DELTA®-MS can be used as an underslab vapor retarder layer for concrete slabs on or below grade in residential and commercial environments. DELTA®-MS UNDERSLAB acts as a tough membrane impermeable to water and vapor, that is placed on the earth or granular prior to placing the concrete. It will not tear or rupture allowing normal concrete placing.

Function

DELTA®-MS UNDERSLAB prevents early loss of hydration water, thus producing a concrete that meets design strength, and provides more even curing characteristics in concrete. DELTA®-MS UNDERSLAB offers a full capillary break. As a vapor retarder DELTA®-MS UNDERSLAB prevents the upward migration of moisture through the capillaries that exist in all concrete. This benefits the contractor and owner by providing a healthy

dry environment. Additionally DELTA®-MS UNDERSLAB can act as a barrier to soil gases.

Residential/Commercial Construction

DELTA®-MS UNDERSLAB is placed on the soil or granular prior to the concrete pour. DELTA®-MS UNDERSLAB is suitable for residential and commercial construction.

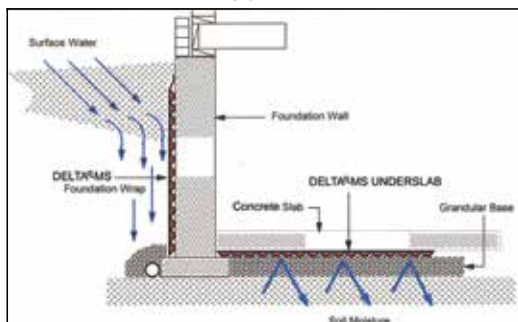
Benefits

- Acts as concrete waterproofing and vapor retarder
- Will not deteriorate when in contact with earth or concrete
- Tough and tear resistant
- Creates a full capillary break
- Helps to reach concrete's design strength by eliminating bleed water loss. Note: w/c ratio should be kept at .45 - .50

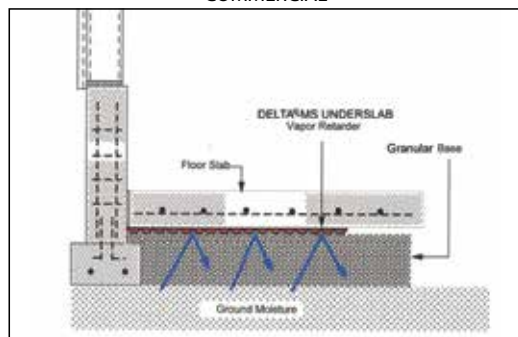
Advantages

- Allows for full hydration of concrete
- Creates a healthy and comfortable living environment
- Functions for the life of the structure
- Protects floor finishes from damage due to rising dampness
- Ensures sound bonding of adhesives to the concrete floor

RESIDENTIAL



COMMERCIAL



Technical Data Overview:

Material	High Density Polyethylene (HDPE)
Color	Brown
Dimple height	5/16" (8 mm)
Working Temperature	-22 °F to +176 °F -30 °C to +80 °C
Air-Gap Volume	approx. 0.13 gal/ft. (5.3 litres/m)
Compressive Strength	approx. 5200 psf (-250 kN/m)
Water Flow Rate (V) (GR = 1)	12 gal/min/ft (149 L/min/m)
Water Flow Rate (H) (GR = 0.1)	3.5 gal/min/ft (44 L/min/m)
U.V. Stability	Do not expose to UV light for more than 30 days
Bacteria Attack	Unaffected
Toxicity	Non-toxic, Nonpolluting
Freeze Thaw Cycle:	Unaffected
Service Life Expectancy	> 25 years (at pH between 4 and 9, and temperature below 77°F / 25°C).
Roll Sizes	3.5' (1.07 m) x 65.6' (20 m) 5.0' (1.52 m) x 65.6' (20 m) 6.0' (1.83 m) x 65.6' (20 m) 6.6' (2.00 m) x 65.6' (20 m) 7.0' (2.13 m) x 65.6' (20 m) 8.0' (2.45 m) x 65.6' (20 m) 9.8' (3.00 m) x 65.6' (20 m)



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