



GENERAL DESCRIPTION

Hydrodrain AL is a prefabricated air layer made of a three-dimensional, crush-proof core and a white non-woven, needle punched filter fabric. The filter fabric is bonded to the ridges of the core, preventing intrusion of the fabric into the flow channels during installation. The fabric extends 4" beyond the core along one long and one short side of the roll, and is bonded on one side of the core.

BASIC USE

The Hydrodrain air layer is designed to be used as the air space between the surface of DOW Styrofoam insulation boards and a monolithic pour of concrete or when pavers are to be placed directly on the insulation.

This air layer is strongly recommended by The DOW Chemical Company to protect the concrete and insulation from the long-term effects of trapped moisture as it goes through periodic freeze-thaw cycles.

ADVANTAGES

- Reduces the potential for spalling in concrete topping slabs due to freeze-thaw cycling of trapped moisture.
- Prevents water from becoming trapped between insulation and concrete topping (slab or pavers).
- White filter fabric allows placement over STYROFOAM insulation with reduced potential for heat build-up.

SIZES

The Hydrodrain drainage layer is available in roll form, 48 inches wide by 75 feet long. The geotextile overlaps the drainage core 4 inches on one side. Each roll covers 300 square feet and weighs 73 lb.

TECHNICAL SPECIFICATIONS

PROPERTY	TEST METHOD	GEOTEXTILE	DRAINAGE CORE
COLOR		WHITE	GREY
THICKNESS	ASTM D1777	--	0.22 in.
COMPRESSIVE STRENGTH	ASTM D1621	--	30,000 psf
PUNCTURE	ASTM D4833	55 lb.	--
U.V. RESISTANCE	ASTM D4355	70% @ 150 hours	--
GRAB TENSILE	ASTM D4632	95 lb.	--

The property values listed above are typical values and subject to change without notice.

Note: As of June 1, 2010, all geonet-type Hydrodrains (300, 302, 1000, AL) will be produced with a white filter fabric bonded to the top side of the core.