POWERHOUSE BUILDING SOLUTIONS

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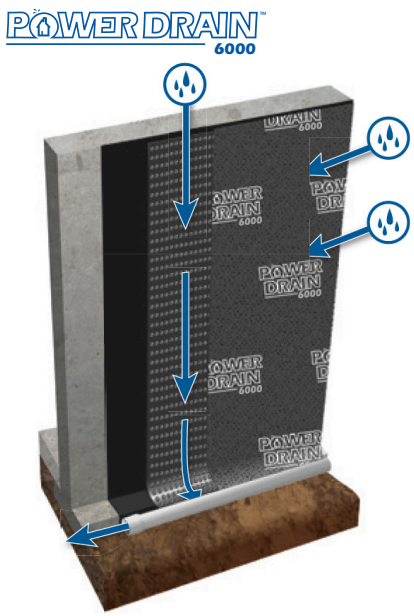
POWERDRAIN™ 6000

Product Information

CCMC Approved



PRODUCT OVERVIEW

PowerDrain™ 6000 is a high performance geocomposite drainage mat designed to protect the foundation wall from the damaging effects of subsurface water and hydrostatic pressure.

PowerDrain 6000 geocomposite consists of a dimpled High Density Polyethylene (HDPE) core and a fully bonded polypropylene filter geotextile. The dimpled HDPE core acts as a drainage plane that allows moisture from the soil to flow to the drainage rock below. The attached non-woven filter geotextile allows water to freely pass through it, while protecting against soil and other sediments entering and potentially clogging the drainage plane. When properly installed, PowerDrain 6000 creates a 10mm gap which relieves the hydrostatic pressure that would otherwise be acting on the foundation wall.

Without adequate protection, the foundation wall of any structure is left exposed to perched water and extreme hydrostatic pressures.

ENVIRONMENTAL IMPACT

PowerDrain 6000 is made of 99% recycled HDPE and after installation remains both non-toxic and non-polluting for the duration of its service life. As a result of its environmental friendliness, PowerDrain 6000 qualifies for LEED points.

FEATURES

PowerDrain™ 6000 is an integral part of effective:

- *Underground Wall Construction*
- *Caisson, Pile and Lagging Wall Drainage*
- *Retaining Walls*
- *Hydrostatic Relief on any Subsurface Structure Design*

PACKAGING

PowerDrain™ 6000 is available in 4' X 50', 6' X 50', and 8' X 50' roll sizes. Other sizes may be available upon request.
The **Isostud Strip** is an accessory to PowerDrain 6000. It is made of recycled polypropylene and comes in black. Isostud Strips are 2 3/8" wide x 6.5' long, and come in bundles of 50.

Core Properties		ASTM Standard
Compressive Strength	15,000 PSF	D-1621
Thickness	10.16mm	D-1777
Geotextile Properties		
Geotextile Type	Non-woven	N/A
Permeability	125G/Min-FT^2	D-4491
Puncture Strength	65 LBS	D-4833
AOS	70 US Sieve	D-4751
Grab Tensile Strength	90 LBS	D-4632
Geocomposite Properties		
Drain Flow Capacity @ 3,600 PSF, i:1	15.6 gal/min-ft	D-4716