

DrainGuard 700/720 Drainage Composite

Description and Uses

DrainGuard 700/720 is a two part sub-surface water management material. DrainGuard 700/720 consists of a dimpled high density polypropylene core with a woven polypropylene filter fabric attached to the core by a heat sensitive adhesive. DrainGuard 700/720 provides backfill protection for waterproofing membranes along with site water drainage. Backfill is kept away from the dimpled core by the filter fabric to provide a drainage void for water to flow through. The woven filter fabric retains freshly placed concrete out of the dimpled core. Water is directed to the water collection system.

DrainGuard 720 is the same as DrainGuard 700 with the addition of a plastic film on the dimpled core backside to protect spray, brush or roller applied waterproofing or waterproofing membranes without a strong protective film layer.

Applications

- Foundation walls
- Retaining walls
- Planter interiors
- Split slabs

Advantages

- Replaces aggregate backfill
- Inexpensive material cost
- Fast installation time
- Great for tight spaces

Limitations

- Not for horizontal use in areas with vehicular traffic

Physical Properties

Color	Black
Size	4' x 50' Roll
Weight	
	700 50 lbs
	720 52.5 lbs
Core	High Density Polypropylene
Filter Fabric	Woven Monofilament Polypropylene

Technical Data

Property	Test Method	Results
Core		
Compressive Strength	ASTM D-1621	21,000 psf (1005 kNm ²)
Dimple Thickness	ASTM D-1777	0.40 in (10.16 mm)
Flow (Hydraulic Gradient=1)	ASTM D-4716	21 gal/min/ ft width
Filter Fabric		
Flow	ASTM D-4491	145 gal/min/ft ² (5704 L/min/m ²)
Puncture	ASTM D-4833	100 lbs (.44 kN)
AOS (EOS)		40 U. S. Sieve (.425 mm)
Grab Tensile	ASTM D-4632	365 x 200 lbs (1.62 x 0.89 kN)