

EXCELDRAIN™ 50 Series

PREFABRICATED TURF SHEET DRAINS

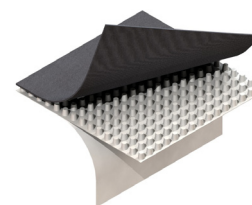


EXCELDRAIN™ Sheet 50 Series products offer full surface drainage solutions for synthetic turf applications. This patented three-part prefabricated drainage system consists of a high compressive strength, formed polystyrene core with a nonwoven polypropylene filter fabric on the dimple side and a cushioning and sound dampening fabric on the back side. The filter fabric allows water to pass freely into the core while restricting the movement of rubber, sand or other particles that might clog the core.

EXCELDRAIN Sheet 50 is designed for use in single sided applications and provides added water protection to sub-base materials. The core transports the collected water to perimeter drains or other designated drainage outlets. This high compressive strength, non-absorbent geocomposite drain is made from recycled materials.

EXCELDRAIN Sheet DS-50 is manufactured to the same specifications as EXCELDRAIN Sheet 50, but has a perforated core to allow for the horizontal-to-vertical transition of water. EXCELDRAIN Sheet DS-50 is typically installed directly over perimeter drain systems and attached to EXCELDRAIN Sheet 50. This direct transition provides an uninterrupted, vertical flow to the perimeter drain system while maintaining a uniform finished grade for synthetic turf installation.

TECHNICAL DATA			
FABRIC	TEST METHOD	UNIT OF MEASURE	TYPICAL VALUES
Material			Polypropylene
Water Flow Rate	ASTM D 4491	gpm/ft ²	150
		Lpm/m ²	6,113
Grab Tensile Strength	ASTM D 4632	lbs	115
		N	512
Puncture Resistance	ASTM D 4833	lbs	70
		N	311
Apparent Opening Size	ASTM D 4751	sieve	70
UV Resistance	ASTM D 4355	% / 500 Hrs	70
CORE			
Material			Polystyrene
Thickness	ASTM D 1777	in	.44
		mm	11
Compressive Strength	ASTM D 1621 ¹	psf	18,000
		kPa	862
Flow Rate	ASTM D 4716 ²	gpm/ft	21
		Lpm/m	261
Infiltration Rate-Vertical (EXCELDRAIN Sheet DS-50)	BS 7044	in/hr	163
		cm/hr	414
G-Max	ASTM F 355 ³		94
Expansion Coefficient - 4.42×10^{-5} in/in per °C			
1 - Loading Rate of 1.0 in/min. 2 - Horizontal in-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0. 3 - Sub-Base: #7 Crushed Rock, Drainage & Shock Attenuation Blanket: EXCELDRAIN Sheet 50, Turf: 45oz/sy, Infill: 3 lbs/sf SBR Rubber			



RECYCLED CONTENT:

EXCELDRAIN Sheet drain products are manufactured with >50 percent post-industrial recycled content.

All information, drawings and specifications are based on the latest product information available at the time of printing. Due to constant improvement and engineering progress, AWD reserves the right to make changes without notice.

The physical properties are typical values. Standard variations of 10% mechanical and 20% hydraulic properties are considered normal.

WARRANTY & LIMITATIONS:

Contact AWD for detailed warranty and limitation information.

PACKAGING:

Roll Size – 4' x 50'
 Roll Lay Width – 46 1/4"
 Roll Coverage Area – 462 SF / Roll

AWDEX50-042810