

PREFABRICATED DRAINAGE SYSTEM

<u>PRODUCT</u>	<u>MANUFACTURER</u>
Amerdrain 500	American Wick Drain Corp. 1209 Airport Road Monroe, North Carolina 28110 800 242-9425
Aquadrain 15X	Colloid Environmental Technologies Co. (CETCO) 1500 West Shure Drive Arlington Heights, Illinois 60004 (800) 426-5564
Battle Drain II	Linq Industrial Fabrics, Inc. Geotextile Division 2550 West Fifth North Street Summerville, South Carolina 29483 (800) 778-5475
C Drain 15K	Contech Constr. Products, Inc. 10100 Maumelle Blvd. North Little Rock, Arkansas 72113 (501) 758-1985
Greenstreak Sheet Drain	Greenstreak, Inc. 3400 Tree Court Ind. Blvd. St. Louis, Missouri 63122 (800) 325-9504
Hydroduct Classic Drainage Composite	Grace Construction Products W.R. Grace & Co. P.O. Box 2585 Houston, Texas 77252 (713) 223-8353
Miradrain 6000	Mirafi/Division of Nicolon Corp. 3500 Parkway Lane Suite 500 Norcross, Georgia (800) 234-0484
TerraDrain 101	Webtec, Inc. P.O. Box 240302 Charlotte, North Carolina 28244 (800) 438-0027

Method of Documentation of Acceptance: By brand and manufacturer.

The following procedure is to be used in acquiring approval of Prefabricated Drainage System to be placed on the Qualified Products List:

1. The manufacturer will provide the Materials Division with information listing minimum values of the material. The system shall be of composite construction, consisting of a supporting structure of drainage core material and a geotextile filter fabric bonded to the drainage core on one side only. The system shall meet the following requirements:

Drainage core shall consist of a preformed, stable polymer plastic material with a cusped or nipped structure and have the following properties:

<i>Property</i>	<i>Value</i>	<i>Test Method</i>
Flow Capacity	15.0 gal/min/foot-width at 1400 psf at 1.0 gradient	ASTM D 4716
Compressive Strength	10,000 psf at 20% deflection	ASTM D 1621
Thickness	0.38 inches (Minimum)	
Fungus Resistance	No Growth	ASTM G 21

Geotextile filter fabric shall: be laminated onto or adhere to the side of the drainage core which will face the backfill; extend 4 inches beyond both longitudinal edges of the geocomposite core; and cover the full length of the core. Filter fabric shall be nonwoven polyester or polypropylene fabric and have the following properties:

<i>Property</i>	<i>Value</i>	<i>Test Method</i>
Fabric Weight	3.0 oz/yd	ASTM D 3776
Grab Tensile	90 lbs.	ASTM D 4632
Grab Elongation	50%	ASTM D4632
Puncture	60 lbs.	ASTM D 3787
Permittivity	50 GPM/ft ²	ASTM D 4491
Burst Strength	200 psi	ASTM D 3787
E.O.S.	50	CW-02215

2. Sample(s) shall be submitted to the Materials Division for evaluation.

3. When deemed necessary by the Materials Engineer and at a frequency determined by him, random samples from each manufacturer shall be taken.

4. Material failure may be considered sufficient reason to discontinue acceptance of material from the manufacturer, determination of which shall be by the Materials Engineer.

5. After approval for inclusion in the Qualified Products List, samples will be taken at random from shipments. Non-conformance of material may cause the product to be removed from the Qualified Products List.