

MEL-DRAIN™

Rolled Matrix Drainage System

DESCRIPTION

MEL-DRAIN is a dimple-raised, molded polystyrene sheet bonded to high strength polypropylene fabric. This geocomposite allows the passage of moisture through the fabric while preventing fine soils from entering the drainage channel. Various drain designs are available, depending on soil pressure and flow specifications. (An optional polyester backing film is available when used in conjunction with flexible waterproofing material.) The family of MEL-DRAIN products provides excellent protection in vertical, horizontal, and site applications.

USES

Used in conjunction with a total W. R. MEADOWS moisture protection system, MEL-DRAIN is the ideal choice for enhanced waterproofing protection of basement walls, plaza decks, earth-sheltered homes, commercial buildings, retaining walls, underground parking, site drainage, etc.

FEATURES/BENEFITS

- High flow capacity, without clogging/Relieves hydrostatic pressure buildup.
- High compressive strength/Dependable, long life performance.
- Easy to install; durable under jobsite conditions/Lower total installed cost.
- Chemically resistant to all naturally occurring soil conditions/Wide variety of applications.
- Provides added protection for waterproofing materials/Enhances waterproofing performance.
- Part of a complete W. R. MEADOWS moisture protection system/Worry-free, single-source solution.

INSTALLATION

For vertical, below-grade applications, unroll MEL-DRAIN with flat, core side against the wall or waterproofing material. W. R. MEADOWS POINTING MASTIC or MEL-PRIME™ primer are excellent adhesives compatible with this installation. The flat side core lip is overlapped to provide a continuous drainage layer. Extra filter fabric is provided at the edges for overlapping with the next sheet. MEL-DRAIN is easily cut with construction knives or scissors.

For horizontal applications, unroll and overlap so that water runs with overlap. Add appropriate ballast as needed to hold down drainage board.



CONTINUED ON REVERSE SIDE...

TECHNICAL DATA

PHYSICAL PROPERTIES	5012	5012-B	5035	5035-B	7055	7555	7572	9055	TEST METHOD (ASTM)
<u>FABRIC</u>									
Weight, oz/yd ²	4 (N/W)	4 (N/W)	4 (N/W)	4 (N/W)	6 (N/W)	6 (MONO)	6 (MONO)	8 (N/W)	D 3776
Grab tensile, lb.	110	110	110	110	165	465 x 290	465 x 290	230	D 4632
Mullenburst, psi	215	215	215	215	310	560	560	695	D 3786
EOS (AOS)	100	100	100	100	80	70	70	100	D 4751
Flow Rate, gpm/ft. ²	150	150	150	150	120	28	28	80	D 4491
<u>CORE</u>									
Compressive strength, lb./ft. ²	10,800	10,800	15,000	15,000	21,000	21,000	30,000	18,000	D 1621 (Mod.)
Flow capacity, gpm/ft. of width	9	9	16	16	16	18	9	16	D 4716
<u>DRAIN BOARD</u>									
Thickness, inch	1/4	1/4	7/16	7/16	7/16	7/16	1/4	7/16	D 1777
Roll weight, lb.	30	32	40	45	40	48	42	52	
Roll length, ft.	50	50	50	50	50	50	50	50	
Roll width, inch	48	48	48	48	48	48	48	48	
Backing Film	No	Yes	No	Yes	No	No	No	No	

**FOR MOST CURRENT DATA SHEET,
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**LIMITED WARRANTY**

“W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order.” Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.