PRODUCT DATA SHEET

POLYFLOW® BD

Sheet Molded Drainage For Balconies

MANUFACTURER

Polyguard Products, Inc.
Ennis, TX 75119
(214) 515-5000
www.polyguard.com

PRODUCT DESCRIPTION

Polyflow® BD (Balcony Drain) is a sheet molded drain that establishes predetermined pathways for balcony water management. The fabric allows the water to flow to designated drainage exits. The punched core increases the overall release of water from within the system. Polyflow BD Sheet Molded Drainage is designed for balcony deck applications only.

BASIC USES

Basic uses include the following:

- Drainage for balcony, breezeways, and corridor decks with less than 3” of concrete and foot traffic only.

COMPOSITION AND MATERIALS

Polyflow® BD Sheet Molded Drainage Mat is manufactured with a geo-composite of a formed pre-punched impermeable polymeric core covered on both sides with a non-woven filter fabric.

TECHNICAL DATA

See physical properties table.

HORIZONTAL INSTALLATION

Clean horizontal surface of loose debris and unroll Polyflow® BD fabric side up.

For horizontal deck installation, Polyflow® BD Sheet may be loosely laid directly over the balcony waterproofing membrane. Edges of the core with the flange should be at higher side of the deck or plaza, away from any drains.

Install Polyflow® BD onto horizontal substrate surface, to be drained, with an adhesive compatible with balcony waterproofing membrane substrate, or use temporary ballast to hold drain in place during the placement of the deck surface.

For overlaps, place adjacent panels so the core flange overlaps and shingles in the direction of flow to the drain collection system, scuppers, or daylight.

Butt adjacent panels together and shingle the non-woven fabric, one fabric over another.

SAFETY

SDS documents for all Polyguard products can be obtained at our website www.polyguard.com. Call Polyguard Products, Inc. at 214.515.5000 with questions.

WARRANTY

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace at no charge product proved to be defective within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided.

TECHNICAL SERVICES

Technical assistance, information and Polyguard’s products are available through a nationwide network of distributors and architectural representatives, or contact Polyguard Products, Inc.
P.O. Box 755, Ennis, TX 75120-0755
Sales: (615) 217-6061•Tech Support: (214) 515-5000
Email: archtech@polyguard.com
Website: www.polyguard.com

PROPERTY	TEST METHOD	TYPICAL VALUE
DRAIN PROPERTIES		
FLOW CAPACITY	ASTM D 4716	12.5 g/min/ft
ROLL LENGTH	-	50 ft.
ROLL WIDTH	-	4 ft.
ROLL WEIGHT	-	35 lbs.
CORE PROPERTIES		
MATERIAL	-	Polymeric
THICKNESS	ASTM D 1777	0.31 inch
COMPRESSIVE STRENGTH	ASTM D 1621	5,200 lbs/ft^2
POLYMERIC FILM LAYER	-	No
FABRIC PROPERTIES		
MATERIAL	-	Non-Woven
GRAB TENSILE STRENGTH	ASTM D 4632	100 lbs.
CBR PUNCTURE STRENGTH	ASTM D 6241	250 lbs.
EOS *(AOS)*	ASTM D 4751	70 US Sieve
FLOW RATE	ASTM D 4491	140 g/min/ft^2

PACKAGING **DRAINAGE & ACCESSORIES**	***PART NUMBER***	***UNIT SIZE***
POLYFLOW® BD	POLYFLOW BD	4’ x 50’ roll
BALCONYGUARD™ SYSTEM	BALCONY GUARD 48	48” x 50’ roll
650 MEMBRANE SYSTEM – 36” (For Balcony Applications Only)	650L36	36” x 66.7’ roll
650 MEMBRANE SYSTEM – 48” (For Balcony Applications Only)	650L48	48” x 50’ roll
650 LT LIQUID ADHESIVE	650-5 LIQ ADH 5 GA	5-gallon pail
650 LT LIQUID ADHESIVE	650-5 LIQ ADH 1 GA	4 • 1-gallon pails/ctn
CALIFORNIA SEALANT	CALSEAL5	5-gallon pail

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