

Black Pearl®

Cold Applied Built-Up Waterproofing Systems



Description

Black Pearl® (BP) Waterproofing Systems has the unique ability to be applied to green and damp concrete. It is also compatible with asphaltic products enabling restoration of project that where originally asphaltic based and ties to hot rubberized asphalt. It can be applied at temperatures as low as 0°F.

Black Pearl Waterproofing System is composed of two primary products, the Black Pearl Primer Adhesive (BPPA) and Black Pearl Waterproofing Membrane (BPWM). These components are based upon the same core formula of select, unoxidized asphalt cement base, butyl rubber, styrene isoprene styrene (SIS), neoprene rubber, styrene-butadiene-styrene rubber (SBS), carbon black, fillers, plasticizers and curing agents. The Black Pearl Primer Adhesive also has an aliphatic solvent that is within acceptable OSHA and EPA current regulations.

Black Pearl Sheet Membrane is a 50 mil woven polyester fabric providing extra tensile strength and stability. This fabric is impregnated and coated with the Black Pearl rubberized formula. The Black Pearl Primer Adhesive chemically fuses the system elements together into a monolithic waterproof membrane.

Uses

New and restoration applications
Plaza deck waterproofing systems
Protected membrane roofs (IRMA®)*
Green Roof Roofscapes®
Vertical waterproofing applications
Parking decks, bridges, water treatment plants
Between slab waterproofing membrane systems

Coverage

BP Membrane:

39.5"x66' = 217 sq ft

BP Primer Adhesive:

80 sq ft per gallon @ 375 sq ft per unit

Packaging

BP Membrane

5 gallon pails (4.75 gallons per pail)

42 lbs per pail

36 pails per pallet

BP Primer Adhesive

39.5"x66'

53 lbs per roll

20 rolls per pallet

Properties

Description	Test Method	Test Results	Comments
2 Ply System, ASTM D-6769			
Breaking Strength, lbf/in	ASTM D-146	89 MD, 70 XD	
Elongation, %	ASTM D-146	46 MD, 64 XD	
Puncture Strength, lbf	ASTM E-154, S10	202	
Tear Strength, lbf	ASTM D-1004	25 MD, 23 XD	
Hydrostatic Resistance, (Mullen) psi	ASTM D-751 Procedure A	250	
Water Vapor Permeance, perms (desiccant)	ASTM E-96	0.04	
*Bonded Pull, lbs/Ft. ²	ASTM C-836	200	
Low Temp Crack Bridging	ASTM C-1305	-15°F	Pass
Extensibility After Heat Aging	ASTM C-1522		Pass
Adhesion Strength lbf/in, CMV	ASTM C-836	1.5	
Resistance to water, visual	ASTM D-2939 Section 15		Pass
Remain in-place during Application, visual	ASTM C-836		Pass
Wind Uplift	FM 4474/	200 lbs/Ft. ²	
Sheet Ductility	TAS 114D/	58°F	
Passes the ICC-ES AC 29 Table 1 for use as waterproofing and dampproofing over concrete, CMU and plywood.			
Black Pearl Primer-Adhesive			
Solids Content %	ASTM C-1250	77	
Softening Point °F	ASTM D-36	220	
Penetration, 100g @ 77°F, dmm	ASTM D-5	162	
VOC - Rule 66 Naptha	EPA	<230 g/L.	

LIMITED WARRANTY: Barrett warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Barrett makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to The Barrett Company, LLC. Barrett to replace or to refund the purchase price of the quantity of Barrett proven to be defective, and Barrett shall not be liable for any loss or damage.

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Document: KF-01020



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