

# Black Pearl®

## Cold Sheet Applied Asphalt Waterproofing System



### Description

Black Pearl® is a cold sheet applied rubberized asphalt waterproofing system that is composed of two primary products:

- **Black Pearl® Primer Adhesive**
- **Black Pearl® Waterproofing Membrane**

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. Black Pearl® Primer Adhesive also has an aliphatic solvent that is within acceptable OSHA and EPA current regulations.

Black Pearl® Sheet Membrane is a 55 mil woven polyester fabric providing extra tensile strength and stability. This fabric is impregnated and coated with the Black Pearl® rubberized formula.

The compatibility between the two components is 100 percent, with the Black Pearl® Primer Adhesive acting as a catalyst on the sheets and chemically fusing the system elements together (including flashings) into a thick, semi-monolithic waterproof membrane.

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

### Coverage

**BP Membrane:**  
39.5"x66' = 217 sq ft

**BP Primer Adhesive:**  
80 sq ft per gallon  
@ 375 sq ft per unit

### 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

### Packaging

**BP Membrane**  
39.5"x66'  
53 lbs per roll  
20 rolls per pallet

**BP Primer Adhesive**  
5 gallon pails  
(4.75 gallons per pail)  
42 lbs per pail  
36 pails per pallet





## Properties

| Description   | Test Method            | Test Results             | Comments |
|---|------------------------|--------------------------|----------|
| <b>2 Ply System, ASTM D-6769</b>  |                        |                          |          |
| 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. <sup>2</sup>  | 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. <sup>2</sup> |          |
| 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. |                        |                          |          |
| <b>Black Pearl Primer-Adhesive</b>  |                        |                          |          |
| 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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