



Between the World
and The Weather
Since 1928

BARRETT / ECOCLINE™ PRIMARY PRODUCT LIST

Product Data Sheets, specifications and Safety Data Sheets are available on our website barrettroofs.com or by calling Barrett Technical services at 800-647-0100

The Barrett Company offers 2 superb choices of waterproofing systems that can be used in conjunction with EcoCline vegetated (green) roofs,

- Ram Tough 250 – The Hot Melt, fluid-applied rubberized asphalt membrane standard by which the others can be measured
- Black Pearl® - Cold-applied Rubberized Asphalt

Fluid-Applied Waterproofing Membranes and Reinforcements

Ram-Tough DM Systems

Ram-Tough 250

A hot applied waterproofing membrane composed of Kraton® SBS rubber polymers, recycled tire crumb rubber, and specially refined unoxidized asphalts, blended with an inert mineral filler.

The fluid-applied material forms a monolithic, seam-free membrane on horizontal or vertical surfaces. Requires a double-jacketed melter to heat material.

Poly-Felt 125 VP

Spunbond, heat resistant polyester reinforcement that is “sandwiched” between two thick layers of Ram-Tough 250 membrane.

Black Pearl Systems

Black Pearl Waterproofing
Sheet Membrane (BP•WM)

A cold applied rubberized asphalt system comprised of

Made with FSC Textbond® spunbond polyester that is reinforced with integral longitudinal fiberglass strands set 3/8 inch apart in the machine (long) direction, impregnated and coated with a rubberized asphaltic matrix which is the same waterproofing material as Black Pearl Primer•Adhesive (minus any solvent) for 100% compatibility. 55 mils thick, 39.5 inches wide, 220 gross square feet.

Black Pearl Primer•Adhesive
(BP•PA)

A self-priming waterproofing membrane adhesive that can be installed at 0°F or 100°F as a cold process, unheated application. A combination of three rubber modifiers, butyl, neoprene and SBS, shear mixed with unoxidized asphalt, the compound provides superior, aggressive full adhesion to approved substrates. The BP•PA activates and chemically fuses with Black Pearl Membranes to form a thick, semi-monolithic waterproof membrane, delivering robust waterproofing performance and durability.

Elastomeric BUR

KLB 100
(for inclines up to 1in. per foot)

Premium quality un-oxidized mopping bitumens modified with Styrene Ethylene Butadiene Styrene (SEBS) rubber polymer. The material is heated in a conventional direct-fired roofing kettle and applied with conventional BUR roofing equipment.

KLB 100 ES
(Extra Steep for inclines up to
3in. per foot)

Compatible with polyester and fiberglass ply sheets. It is also used as an adhesive for SBS cap sheets, or sometimes just a flood coat for gravel surfacing or an adhesive for insulation. Exceeds ASTM D-6152 specifications. Not recommended for use with APP sheet systems.

Poly-Felt 265 VP

A high performance, high melting point, spun bond polyester ply sheet, 170 grams/meter, engineered specially for hot BUR applications.

Flashing and Protection Courses

Ram 327 HDR

A heavy duty, uncured neoprene rubber reinforcing sheet, 60 mils thick.

Ram 306

An SBS polymer modified-bitumen membrane with a ceramic granule surface. 4mm thick (ASTM D-6164, Type 1, Grade G).

Ram 306 FR White

Fire rated, SBS polymer modified-bitumen membrane with a ceramic granule surface. 4mm thick (ASTM D-6164, Type 1, Grade G).

Ram 200

Heavy duty SBS modified protection course sheet, polyester reinforced, with sanded surfaces, 3mm thick (ASTM D-6164 Type I, Grade S).

Ram 203

Multi-purpose SBS polymer-modified, fiberglass reinforced asphalt membrane with sanded surfaces top and bottom. Used as a protection course sheet, 2.2mm thick (ASTM D-6163-97).

Root Barriers

Ram RB 20

A low density polyethylene sheet (LLDPE) 20 mil (0.508mm) thick.

Ram RB 30

A high density polyethylene (HDPE) geomembrane 30 mil (0.75mm thick).

Ram RB 40

A heavy duty, high density, linear polyethylene sheet. 40 mil (1.01mm) thick.

Ram RB 80

A heavy duty, high density, linear polyethylene sheet. 80 mil (2.03 mm) thick.

Ram RB 25 Root Barrier
Seam Tape

An elastomeric single-sided adhesive tape.

Aeration, Drainage and Water Retention

Ram-Drain 36R

A lightweight, flexible, composite drainage medium consisting of post-industrial recycled polyethylene filaments, entangled into a square waffle pattern with a non-woven geocomposite filter fabric bonded to one side. The drain mat has a 3-inch fabric tab beyond the core to provide overlaps with adjacent drainage courses. 0.45 inches thick.

Ram Drain 1241

A composite polystyrene drainage medium with optional moisture retention capabilities often required for greenroof and planter box applications. Three dimensional core "thimbles" 0.45 inches high are covered on both sides with a polypropylene geotextile fabric.

Ram Drain 2451

The same design as Ram Drain 1241 except it is one (1) inch thick offering additional water storage capacity and increased drainage flow rates.

Ram Retention 2500

A plastic panel made from HD polyethelene for water storage. Offers top and bottom-sided diffusion with open channel drainage. 2.36 inches thick.

Ram Aeration 600

¼ inch web matting to be placed on top of insulation for moisture evaporation.

Moisture Retention Mat 620

Moisture retention geotextile fabric consisting of 40% post-industrial recycled polypropylene drainage core of twisted filaments, bonded on the top side to non-woven polypropylene fabric made from 100% recycled fibers. The entangled filaments are pressed and fused into a waffle pattern to allow for maximum flexibility.

Erosion Control

Ram Erosion Control Mat

A bio-degradable recycled polypropylene mat to provide soil stabilization on flat or sloping surfaces until plant roots are established.

Erosion Control Mat Anchors

Adjustable, non-penetrating and bio-degradable anchors designed to secure GR Erosion Control Mat in place giving greenroof vegetation sufficient time to develop natural anchorage and coverage.

Accessories / Miscellaneous

Poly-Felt 3.5 Filter Fabric

Lightweight spunbond polyester geotextile fabric providing excellent strength-to-weight ratio and permissivity. Typically used as an insulation overlay in Protected Roof Membrane Assemblies.

Ram Primer/Surface Conditioner

Asphalt based primer. Meets or exceeds ASTM D-41 minimum standards.

Ram Ultra Silver Coating

Made with high quality SBS polymer-modified asphalt, premium aluminum flake pigment and refined solvents, Ram Ultra Silver Coating provides very good UV protection and heat reflection. Solvent based, in compliance with EPA regulations of 250g/L.

Ram Ultra White Coating

White acrylic latex-polymer water-based emulsion offering excellent reflectivity. Energy Star® approved and available for LEEDS credits. Provides superior UV protection, mildew resistance, color stability, weatherability and flexibility. Requires Ram Ultra-White Primer.

Ram Ultra White Primer

Clear water-based acrylic primer formulated to provide excellent adhesion properties to various surfaces. Specifically designed to be used as a primer coat for Barrett Ultra White acrylic coating.

Ram Mastic

Cold-applied, trowel grade, SBS rubberized mastic for miscellaneous repair. (Meets or exceeds D-4586 Type I)

Ram Caulk

Ready-to-use, low modulus, non-sag silicone for sealing joints in concrete, masonry, wood and sheet metal in all climates. (Meets or exceeds ASTM D-5893 Type NS Sealant)

Ram A.R.C.

Trowel grade flashing cement. (Meets or exceeds ASTM D-4586 Type I)

Roof Release Agent

Ready-to-use, "parting" agent bond breaker which works with all types of bitumen and asphalt to resist adhesion and build up on shoes, wheels and tools and make clean-up easier. Its advanced formula is environmentally safe, biodegradable and non-toxic and comes in consumer sized spray cans.

Neoprene Pipe Boots

Enables pipes to be securely sealed, offering supreme tear resistance and reinforcement. Embossed with a cutting guide. Medium pipe boot fits pipes 1" through 6". Large pipe boot fits pipes 8" through 12".

GR Metal Edging

Available for green roof edging 3 to 8.5 inches in height in mill-finished 0.10 inch thick aluminum and 9 to 12 inches high in 0.125 inch thickness. Vertical drainage slots provide unrestrained drainage egress. Offered in both straight and flexible 8 or 10 foot sections. Also available in stainless steel.

Drain Access Box

Made of 18 gauge steel. Offered in 2 sizes with 3 extensions sizes.

Common EcoCline™ Profiles

	EcoCline 2+1	EcoCline 3+1	EcoCline 2+2	EcoCline 3+2	EcoCline 2.5+3	EcoCline 3+3
System Thickness	3 inches (2" media +1" water retention)	4 inches (3" media +1" water retention)	4 inches (2" media +2" water retention)	5 inches (3" media +2" water retention)	5.5 inches (2.5" media +3" water retention)	6 inches (3" media +3" water retention)
Dry Weight	13-15 lbs/sf	19-22 lbs/sf	14-16 lbs/sf	22-24 lbs/sf	20-21 lbs/sf	23-24 lbs/sf
Max. Fully Saturated Weight	21-22 lbs/sf	28-30 lbs/sf	26-27 lbs/sf	34-36 lbs/sf	35-37 lbs/sf	40-41 lbs/sf
Water Holding Capacity	0.9 gallons/sf	1.0 gallons/sf	1.5 gallons/sf	1.6 gallons/sf	2.1 gallons/sf	2.1 gallons/sf
Max Rain Event Capacity	1.4 inch storm	1.5 inch storm	2.2 inch storm	2.4 inch storm	3.3 inch storm	3.4 inch storm
ANSI/SPRI RP-14 Class	#2 ballast	#2 ballast	#2 ballast	#2 ballast	#2 ballast	#2 ballast
MDE Runoff Curve Number	88	88	77	77	<77	< 77
Maximum Water Retention (ASTM E-2397 & 2399)	44%	37%	55%	47%	60%	55%
Other EcoCline profiles are available to meet stormwater and weight requirements for your project.						

* All Barrett products comply with all EPA and OSHA regulations in effect as of June 1, 2016