

# PERM-A-BARRIER® HRA CAP Data Sheet

SBS Modified Bitumen Cap Membrane with Mineral Surface for Use in Waterproofing Systems

## Product Description

PERM-A-BARRIER® HRA CAP is a polyester reinforced SBS membrane designed for use as the top ply on wall and base flashings for hot rubberized asphalt waterproofing systems. It may also be used as the top surfacing in the field if a hot rubberized asphalt system is to be left exposed.

For other HRA system products see the individual product data sheets

## Product Details

PERM-A-BARRIER HRA CAP is manufactured on state-of-the-art, dedicated lines that were exclusively designed to produce modified bitumen products. PERM-A-BARRIER HRA CAP is constructed with a high-performance, stress-resistant polyester mat that is impregnated and coated with a superior SBS-modified bitumen compound. It is surfaced with ceramic granules on the top side which protects the membrane from abuse and UV degradation.

Roll Dimensions	39¾" X 32'10"
Nominal Coverage	One square
Approximate Weight	93 lbs. per roll
Top Surface	Mineral Granules (Black or White)
Back Surface	Fine sand release agent
Applicable Standards	Meets ASTM D6164, Grade G, Type I.

## System Components

PERM-A-BARRIER® HRA – Hot Rubber Membrane  
 PERM-A-BARRIER® HRA FABRIC– Polyester Reinforcement  
 PERM-A-BARRIER® HRA NEOPRENE 12" x 100' – Neoprene for Flashing  
 PERM-A-BARRIER® HRA NEOPRENE 6" x 100' – Neoprene for Flashing  
 PERM-A-BARRIER® HRA PROTECTION G – Fiberglass Protection Sheet  
 PERM-A-BARRIER® HRA PROTECTION P – Polyester Protection Sheet  
 BITUTHENE® ADHESIVE PRIMER B2 LVC – Primer  
 PERM-A-BARRIER® HRA CAP – Cap Sheet for Wall Flashing

## Safety & Handling

PERM-A-BARRIER® products must be handled properly. Do not handle until all safety precautions and instructions have been read and understood. Refer to product label and SDS before use. SDSs can be obtained from [www.gcpat.com](http://www.gcpat.com) or your local representative.

## STORAGE & USE

Rolls should be stored upright off the ground and completely protected from the weather. Substrates must be structurally sound, dry, smooth, and meet or exceed minimum requirements of local codes and GCP. Do not attempt application if ice, snow, moisture, or dew are present or inclement weather is expected. Consult GCP or your local representative for additional specifications and precautions.

## APPLICATION

PERM-A-BARRIER HRA CAP must be applied in accordance with GCP installation procedures. Ensure substrates to receive a PERM-A-BARRIER HRA CAP are smooth, dry, and clean. The following information is intended for general information purposes only and is not all-inclusive.

For flashing applications using PERM-A-BARRIER HRA PROTECTION G as the base membrane, install it in accordance with manufactures requirements. Over the PERM-A-BARRIER HRA PROTECTION G, install one ply of PERM-A-BARRIER HRA CAP lapping it 3" (76.2 mm) on sides and extending membrane a minimum of 6" (152.4 mm) into the field and at least 2" (50.8 mm) past base membrane. Apply base and cap membranes in such a manner as to provide and maintain a minimum 6" (152.4 mm) offset between side and end laps of of each sheet. PERM-A-BARRIER HRA CAP side and end laps must be fully adhered in a complete mopping of hot rubberized asphalt with asphalt extending approximately  $\frac{3}{8}$ " (9.4 mm) beyond lap edge.

PERM-A-BARRIER HRA CAP is also used as the top finishing membrane on hot rubberized asphalt flashings reinforced with neoprene or polyester without the need for a modified bitumen base membrane. Over the neoprene or polyester fabric reinforced base layer install one ply of PERM-A-BARRIER HRA CAP in a solid application of hot rubberized asphalt. Lap it 3" (76.2 mm) on sides and extend membrane a minimum of 6" (152.4 mm) into the field. Ensure asphalt extends approximately  $\frac{3}{8}$ " (9.4 mm) beyond lap edges.

PERM-A-BARRIER HRA CAP can also be used in the field as a final surfacing or protection sheet. Membrane is to be lapped 3" (76.2 mm) on sides and 6" (152.4 mm) on the ends with end laps staggered not less than 3" (76.2 mm) apart. Laps must be fully adhered in a complete mopping of hot rubberized asphalt with asphalt extending approximately  $\frac{3}{8}$ " (9.4 mm) beyond lap edge.

Cold weather applications require special handling to prevent damage to the rolls and ensure satisfactory installation. Do not apply waterproofing systems over improperly prepared substrates or substrates that contain moisture. Rubberized asphalt temperature the melter must be 380°-400°F (193°-204°C) to ensure proper adhesion.

## PHYSICAL PROPERTIES

Test Description	Test Method	Results*
Softening Point	ASTM D36	260°F

Tensile Strength	ASTM D5147	90/65 lbs./in.
	@ 73.4 +/- 3.6°F MD/XD	125/75 lbs./in.
	@ 0 +/- 3.6°F MD/XD	
Elongation	ASTM D5147	60%/120%
	@ 73.4 +/- 3.6°F MD/XD	35%/35%
	@ 0 +/- 3.6°F MD/XD	
Dimensional Stability	ASTM D5147 MD/XD	0.1%/0.1%
Low-Temperature Flex	ASTM D5147	Pass @ -20°F
Compound Stability	ASTM D5147	250°F
Thickness	ASTM D5147	3.7 mm (145 mils)
Tear Strength	ASTM D5147	135/100 lbs.
	@ 73.4 +/- 3.6°F MD/XD	

\*NOTE: Published results are nominal production values confirmed by independent laboratory testing.

## TECHNICAL ASSISTANCE & SERVICES

GCP provides technical assistance in the product selection, specification, and application guidelines for all GCP HRA systems. Field representatives are available for consultation in each region.

For more information, contact GCP Technical Services

North America customer service: 1-877-4AD-MIX (1-877-423-6491)

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This document is only current as of the last updated date stated below and is valid only for use in the United States. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on [www.gcpat.com](http://www.gcpat.com). Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

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[gcpat.com/solutions/products/perm-a-barrier-hra-waterproofing-system/perm-a-barrier-hra-cap-data-sheet](https://www.gcpat.com/solutions/products/perm-a-barrier-hra-waterproofing-system/perm-a-barrier-hra-cap-data-sheet)