

PERM-A-BARRIER® HRA PROTECTION G Data Sheet

SBS-Modified Protection Sheet Reinforced with Fiberglass for Waterproofing Systems

Product Description

PERM-A-BARRIER® HRA PROTECTION G is a SBS modified membrane reinforced with a tough glass fabric for use as the top protection layer on hot rubberized asphalt waterproofing systems. It protects the underlying system from moderate abuse due to construction foot traffic and overburden. Additionally, this membrane may be used as the base ply in vertical two ply flashings.

For other HRA system products see the individual product data sheets

Product Details

PERM-A-BARRIER HRA PROTECTION G is manufactured on a strong fiberglass reinforced mat that receives a heavy coating of superior SBS-modified bitumen compound. It is manufactured on state-of-the-art, dedicated lines that were exclusively designed to produce modified bitumen products.

Roll Dimensions	39¾" X 49' 6"
Nominal Coverage	150 sf/roll
Approximate Weight	88 lbs. per roll
Top Surface	Fine sand release agent
Back Surface	Fine sand release agent
Applicable Standards	Meets ASTM D6163 Grade S, 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
- 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 or by contacting 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.

APPLICATION

PERM-A-BARRIER HRA PROTECTION G must be applied in accordance with GCP installation procedures. The following information is intended for general information purposes only and is not all-inclusive.

When used as a protection layer, PERM-A-BARRIER HRA PROTECTION G is installed in a shingle pattern to promote drainage. Install membrane while the PERM-A-BARRIER HRA is hot and has a tacky consistency. Overlap protection course side laps a minimum of 2" (50.8 mm) and end laps a minimum of 4" (101.6 mm). Ensure overlaps are secured tightly with hot rubberized asphalt.

When used as a base membrane in vertical flashing applications, substrates to receive the membrane must be firmly attached, smooth, dry, clean, and free of sharp projections and depressions. Substrates requiring priming must be primed with BITUTHENE® ADHESIVE PRIMER B2 LVC and allowed to dry. Install PERM-A-BARRIER HRA PROTECTION G in a solid mopping of hot rubberized asphalt with 3" (76.2 mm) side side laps and membrane extending a minimum of 4" (101.6 mm) into the field. Ensure side and end laps must be fully adhered in 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 in 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	60/60 lbs./in.
	@ 73.4 +/- 3.6°F MD/XD	135/125 lbs./in.
	@ 0 +/- 3.6°F MD/XD	

Elongation	ASTM D5147	4%/4%
	@ 73.4 +/- 3.6°F MD/XD	4%/4%
	@ 0 +/- 3.6°F MD/XD	
Dimensional Stability	ASTM D5147 MD/XD	0.1%/0.1% MAX
Low-Temperature Flex	ASTM D5147	Pass @ -20°F
Compound Stability	ASTM D5147	250°F
Thickness	ASTM D5147	2.3 mm (91 mils)
Tear Strength	ASTM D5147	115/120 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.

gcpat.com | North America Customer Service: +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. 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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