

Physical property	Typical value	Test method
Tensile Strength	53 lb/in	ASTM D882
Elongation	350%	ASTM D882
Permeance	0.1 perms	ASTM E96 (B)
Pliability	Pass @ -25°F, 1/4" mandrel	ASTM D146
Puncture Resistance	200 lbs.	ASTM E154

*% Elongation to failure of rubberized asphalt membrane

Description

Henry 711-90 Sheet Membrane and Flashing is a 90-mil-thick composite consisting of a self-adhering rubberized asphalt membrane laminated to a high-strength, heat-resistant woven polypropylene mesh. A siliconized release liner prevents the material from sticking in the roll, and easily removed for installation.

The factory-controlled quality ensures uniform thickness on the job, while the inherent waterproofing properties of the rubberized asphalt membrane provide an excellent water barrier. The woven mesh is designed to withstand high temperatures, allowing the membrane to become an integral part of the **Henry 790-11 / 500R Hot-Applied** and **Vapor-Lock Waterproofing Systems**.

711-90 Sheet Membrane and Flashing is primarily designed to be used in conjunction with **Henry 790-11 / 500R Hot-Applied Membranes**. It may be used as a preformed first course on the difficult-to-coat substrates such as lightweight structural concrete. As a flashing, it provides a reinforced, uniform 90-mil layer on vertical surfaces while reinforcing cracks and joints.

Features and benefits

- When used as a first course, this reinforced membrane provides a uniform, pinhole-free layer, providing an excellent substrate for the monolithic hot-applied layer.
- As a flashing for the **790-11 / 500R Hot Rubber System**, the membrane combines the strength of the woven mesh with the self-adhering and elastomeric properties of the rubberized asphalt. This combination provides a durable, reinforced flashing.
- The membrane adheres tenaciously to **790-11 / 500R Hot-Applied Membrane** and to the primed substrate while the **790-11 / 500R Hot-Applied Membrane** bonds with the mesh, assuring a waterproof condition.
- The inherent durability and heat-resistant properties of the mesh ensures the integrity of the membrane when the **790-11 / 500R Hot-Applied Membrane** is installed over it

Application

Surface Preparation

Structural concrete shall be in place for 7 days minimum (14 days preferred) and shall be dry. Lightweight, air-entrained structural concrete shall be in place for 14 minimum (21 days preferred) and shall be dry. Surface shall have a smooth finish and be free of voids, spalled areas, sharp protrusions, loose aggregate, laitance and form-release agents. Curing agents containing wax, oil or pigments must not be used. Only self-dissipating curing agents are acceptable. Forms should be removed as quickly as possible. If metal decking is used as permanent form, the metal must be vented.

Temperature

Typical installation of **711-90** can be performed when ambient and substrate temperatures are 40°F (4.4°C) and above. However, installation between 25°F (-3.9°C) and 40°F (4.4°C) may be performed if the **711-70** is stored in a heated area until use and the laps are treated with Henry contact adhesive. Consult your local Henry Representative for further information.

Primer

200V / 300HV Protection Fabric

Apply **CCW-702, CCW-702LV, or CCW-AWP** by spray or with a long nap roller at published recommended sq.ft. per gallon. At 75°F allow primer to dry one hour minimum. Prime only areas to be waterproofed the same day. Reprime if areas become dirty. Primer has a satisfactory cure when it will not transfer when touched.

Full Coverage Installation

Apply **711-90** Sheet Membrane from low to high point, so that lap seams will shed water. Overlap edge seams 2-1/2", end seams 5" and staggered. Snap a chalk line for a starting point. Pull back about two feet of release paper and place adhesive side of membrane along the chalk line. As the roll is dispensed, simultaneously remove the release paper and maintain alignment along the chalk line. Immediately after installation, roll the membrane with a metal roller 18" to 24" wide weighing at least 100 lbs. **790-11 / 500R Hot-Applied Membrane** may be applied immediately. Prime **711-90** if membrane surface becomes dirty before **790-11 / 500R** can be installed.

Flashing Installation

Preferred Method – Apply **CCW-702, CCW-702LV, or CCW-AWP** at the junction of horizontal surfaces, such as parapet walls, curbs, columns and penetrations through the deck, to vertical height indicated on drawings (8" minimum recommended). Apply 90 mils of **790-11 / 500R membrane** to cover primed areas. Install **711-90** sheet membrane flashing into the first course of **790-11 / 500R** to cover the vertical section and extend flashing 6" onto deck surface. Flashings shall be covered by second lift of **790-11 / 500R**.

Alternate Method – Install a 1-1/2" X 1-1/2", 45° cant of **CCW-201** Sealant in all inside corners and around projections and penetrations. Allow sealant to cure overnight. Prime all areas to receive flashing. Apply **711-90** to the height specified (8" recommended). Final height shall be below the finish deck surface. Extend flashing 6" minimum onto the horizontal deck surface.

Terminations

Terminate membrane on vertical surfaces per Henry details. Press terminating edge firmly in place with a hand roller, hammer handle or similar tool. Apply **790-11 / 500R Hot-Applied Membrane** to all terminating edges, T-joints and laps not covered by the **790-11 / 500R** system.

Note: Failure to use adequate pressure at terminating edges will result in a poor seal and potential leak. The use of mastic is not a substitute for a good seal.

Protection

711-90 Sheet Membrane must be protected from a damage prior to installation of **790-11 / 500R**. The applicator may install a temporary protection course of Protection Board-H or plywood walkways if required by jobsite conditions. This protection course must be removed before installation of the **790-11 / 500R**.

Precautions

- Do not use in areas where membrane will be subject to continuous exposure to sunlight.
- Do not apply primer or membrane to damp, frosty, or contaminated surfaces.
- Do not use over sealants containing coal tar or polysulfides. If these materials are present, they must be removed and the surfaces thoroughly cleaned.
- Do not apply CCW-500 Hot-Applied-Membrane in excess of 350°F to woven polypropylene mesh surface.

Warnings / Hazards

Avoid contact with eyes and skin. Wash thoroughly after use. Avoid breathing vapors from primer and mastic. Use these only in areas with adequate ventilation. Refer to MSDS for important warnings and safety information.

Product size/packaging

200V / 300HV Protection Fabric

12" x 45' Rolls (45 sq. ft. - 51 lbs. per roll - 48 rolls per pallet)
18" x 45' Rolls (67.5 sq. ft. - 40 lbs. per roll - 48 rolls per pallet)
24" x 45' Rolls (90 sq. ft. - 58 lbs. per roll - 25 rolls per pallet)
36" x 45' Rolls (135 sq. ft. - 75 lbs. per roll - 24 rolls per pallet)

Storage

711-90 rolls should be store on end, under cover, and in areas where the temperature is between 40°F and 100°F (4. 4°C and 38°C). Do not double stack pallets.

For more information, visit www.henry.com or for technical assistance call us at 800-486-1278. For more information on Henry's® product warranty and liability disclaimer please visit www.henry.com/warranty. Refer to the Safety Data Sheet prior to using this product. The Safety Data Sheet is available at www.henry.com or by emailing Henry® Product Support at productsupport@henry.com or by calling 800-486-1278.

Henry is a registered trademark of Henry Company.
Covered by US patent 6,901,712; Canadian patent 2,413,550.

The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry® Company data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice.