

Physical property	Typical value	Test method
Color	Black	-
Solvent Content	0%	-
Solids Content	95%	-
Min. Application Temp	32 °F (0 °C)	-
Low Temperature Flexibility @ -13 °F(10 °C)	Pass	ASTM D4388
Service Temperature	-40 °F to 200 °F	-
Maximum VOC	< 40 grams/liter	-
Elongation	>200%	ASTM D412
Recovery	100%	ASTM D412
Shore A Hardness	Min 45	ASTM C661
Adhesion in Peel after Water Immersion	Pass	ASTM C836
Water Vapor Permeance		ASTM E96
Procedure A (Dry Cup)	0.08 perms	
Procedure B (Inverted Wet Cup)	0.32 perms	
Low Temperature Crack Bridging	Pass	ASTM C836
Flammability Wet	Non-Flammable	-

Description

Henry® MiraSEAL is a fast curing, one component elastomeric, solvent free, moisture cure waterproofing membrane designed to provide a cold technology alternative to hot applied rubberized membrane systems or replace conventional hot mop felt ply and/or pre-formed sheeting systems. It is applied in a high build two ply system or single ply application which cures through reaction with atmospheric moisture to provide a heavy-duty “seamless” rubber-like, impervious membrane. Due to the moisture-reactive and non-gassing properties of the membrane, it provides tenacious adhesion to concrete substrates above- and below-grade, preventing lateral water migration, even with moisture present in the concrete. The inherent toughness and resilience of **MiraSEAL** enables it to bridge structural or shrinkage cracks that may develop in the substrate. **MiraSEAL** can be applied wet on wet in a horizontal application resulting in reduced installation time.

Features and benefits

- Solvent Free
- Can be applied to green concrete 24 hours after forms are removed
- Fast curing cold applied membrane
- Very low odor
- Seamless rubberized asphalt membrane
- Excellent adhesion to most construction surfaces such as concrete, stone, wood, cement and metal
- Safe for use in confined spaces or “hard to get at” applications

Usage

Henry MiraSEAL may be used as a waterproofing and roofing membrane on horizontal or vertical surfaces. This cold-applied technology is an ideal alternative to hot rubberized membrane applications for podium decks, plaza decks, balconies, tunnels, foundation walls, planters, green roofs and protected membrane assemblies.

Application

Refer to **Henry MiraSEAL** Guide Specifications and details for detailed application information. For ease of application, condition material to room temperature prior to application. All surfaces to be coated must be above 32 °F (0 °C). Apply material with a trowel, roller or long-handle squeegee. Squeegee applications are preferred for horizontal decks.

Coverage:

26 ft²/US Gal (0.64 m²/L) at 60 mils
18 ft²/US Gal (0.64 m²/L) at 90 mils
13 ft²/US Gal (0.32 m²/L) at 120 mils

All fluid-applied product application rates are based on theoretical coverage relative to the percentage of solids in the material. These are minimum application rates to achieve the required dry film thickness for the system and do not account for substrate condition or porosity. A thicker application of the product may be necessary to achieve the required dry film thickness for system relative to the substrate.

Above-Grade Systems:

- **120 - Mil System:** Apply **Henry MiraSEAL** in one coat using a roller, trowel, or squeegee at 26 sq. ft. per gallon or as required to obtain a 60-mil thickness to the entire area to receive waterproofing, including over all detail coats. Immediately install Polyester Reinforcing Fabric into the wet **Henry MiraSEAL**. Brush or roll the fabric into the wet **Henry MiraSEAL**, ensuring it is completely saturated into the wet **Henry MiraSEAL**. Overlap adjoining fabric sheets a minimum of ½". Ensure overlapping fabric is completely saturated in between overlaps. Install carefully to avoid wrinkles. In the event of wrinkles or fishmouths, cut the fabric and overlap the excess to avoid trapped air. Apply an additional coat of **Henry MiraSEAL** on top of the fabric at 26 sq. ft. per gallon or as required to obtain a 60-mil thickness, extending past the edge of the fabric to completely encapsulate it. The first coat, Polyester Reinforcing Fabric, and the second coat will need to all be completed in the same day or working period. Do not apply the first coat and Polyester Reinforcing Fabric in an area that can't be coated with the second coat in the same day. Total system dry film thickness shall be 120-mils. Do not leave Reinforcing Fabric exposed overnight.
- **90 - Mil System:** Apply **Henry MiraSEAL** in one coat using a roller, trowel, or squeegee at 35 sq. ft. per gallon or as required to obtain a 45-mil thickness to the entire area to receive waterproofing, including over all detail coats. If using reinforcement, immediately install Polyester Reinforcing Fabric into the wet **Henry MiraSEAL**. Brush or roll the fabric into the wet **Henry MiraSEAL**, ensuring it is completely saturated into the wet **Henry MiraSEAL**. Overlap adjoining fabric sheets a minimum of ½". Ensure overlapping fabric is completely saturated in between overlaps. Install carefully to avoid wrinkles. In the event of wrinkles or fishmouths, cut the fabric and overlap the excess to avoid trapped air. Apply an additional coat of **Henry MiraSEAL** on top of the first coat at 35 sq. ft. per gallon or as required to obtain a 45-mil thickness, extending past the edge of the fabric or membrane to completely encapsulate it. The first coat, Polyester Reinforcing Fabric, and the second coat will need to all be completed in the same day or working period. Do not apply the first coat and Polyester Reinforcing Fabric in an area that can't be coated with the second coat in the same day. Total system dry film thickness shall be 90-mils. Do not leave Reinforcing Fabric exposed overnight.

Foundation Systems:

- **120 – Mil System:** Apply **Henry MiraSEAL** in one coat using a roller, trowel, or squeegee at 26 sq. ft. per gallon or as required to obtain a 60-mil thickness to the entire area to receive waterproofing, including over all detail coats. Once first coat is tacky, apply an additional coat of **Henry MiraSEAL** on top of the first coat at 26 sq. ft. per gallon or as required to obtain a 60-mil thickness. The first coat and the second coat will need to all be completed in the same day or working period. Total system dry film thickness shall be 120-mils.
- **90 – Mil System:** Apply **Henry MiraSEAL** in one coat using a roller, trowel, or squeegee at 35 sq. ft. per gallon or as required to obtain a 45-mil thickness to the entire area to receive waterproofing, including over all detail coats. Once first coat is tacky, apply an additional coat of **Henry MiraSEAL** on top of the first coat at 35 sq. ft. per gallon or as required to obtain a 45-mil thickness. The first coat and the second coat will need to all be completed in the same day or working period. Total system dry film thickness shall be 90-mils.
- **60 – Mil System:** Using a roller, trowel, or brush apply **Henry MiraSEAL** at 26 sq. ft. per gallon or as required to obtain a 60-mil thickness. Apply **Henry MiraSEAL** in one coat using a roller, trowel, or squeegee at 26 sq. ft. per gallon or as required to obtain a 60-mil thickness to the entire area to receive waterproofing, including over all detail coats.

Note: For best results, the following should be considered when installing **Henry MiraSEAL** in certain weather conditions:

Cold Weather/Low Humidity:

Spray apply a light mist of water over the surface of wet **Henry MiraSEAL** after installation to accelerate the curing process.

Hot Weather / High Humidity:

Schedule application time as temperatures are falling to minimize occurrence of blisters from substrate vapor drive. Alternatively, install **Henry MiraSEAL** in multiple coats of reduced mil thickness allowing each coat to cure before applying additional coats. A small test application is suggested prior to large-scale installation when applying **Henry MiraSEAL** in direct sunlight at temperatures above 80 °F.

Protection

Henry MiraSEAL should be adequately protected from construction activities and installation of overburden. Acceptable protection courses include **Henry G100s/s, 990-31, Protection Board HS, Protection Board 300HV**, appropriate **Henry MiraDRAIN** drainage composite or a semi-rigid asphalt board. Work only off boards or sheets previously placed. Contact Henry Technical Services if hot mix paving will be installed over the **Henry MiraDRAIN system**.

Shelf Life

12 months in unopened containers when stored in dry conditions.

Precautions

DO NOT THIN. Do not heat container or store at temperatures greater than 100 °F (38 °C). When transporting this product, make sure the pail is secured and the lid is tight to prevent spills.

Clean Up

Use mineral spirits for general clean-up before product cures. Use waterless hand cleaner to remove from skin.

Caution

WARNING. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Prevention: Wash thoroughly after handling. Avoid breathing mists and sprays. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye protection.

Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs; Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists; Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

See safety data sheet for further details regarding the safe use of this product.

KEEP OUT OF REACH OF CHILDREN.

This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

Disposal

Dispose of contents/containers in accordance with local/regional/national/international guidelines.

Product size/packaging

5 gal pail

Storage

Store in a well-ventilated place. Store locked up.

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.

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