TECHNICAL DATA SHEET

Henry® CM100

Fast Curing, Elastomeric Cold Fluid Waterproofing/Roofing Membrane

Physical property	Typical value	Test method
Color	Brown	-
Solvent Content	0%	-
Solids Content	97%	-
Min. Application Temp	37 °F (3 °C)	-
Low Temperature Flexibility @ -13 °F(10 °C)	Pass	ASTM D4388
Service Temperature	-40 °F to 200 °F	-
Flash Point (open cup)	>450 °F (230 °C)	-
Maximum VOC	< 40 grams/liter	-
Elongation	575%	ASTM D412
Recovery	95%	ASTM D412
Shore A Hardness	Min 60	ASTM C661
Adhesion in Peel after Water Immersion	Pass	ASTM C836
Water Vapor Permeance Procedure A (Dry Cup) Procedure B (Inverted Wet Cup)	 0.05 perms (3.09 ng/Pa m^2 sec) 0.36 perms (20.6 ng/Pa m_2 sec)	ASTM E96
Hydrostatic Pressure Resistance	>0.69 MPa (100 psi)	ASTM D5385
Low Temperature Crack Bridging	Pass	ASTM C836
Flammability Wet	Non-Flammable	-

Description

Henry® CM100 is a fast curing, one component elastomeric, solvent free, moisture cure waterproofing compound 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.

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 CM100 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 CM100** 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.

Henry CM100 can be applied in two types of systems. **High Build Reinforced Systems** are used for critical below grade waterproofing or roofing such as plaza decks, podiums, roof terraces, green roofs, or IRMA roof applications. **Single Coat Systems** are used for general waterproofing such as foundation walls and planter boxes.

Coverage:

26 ft^2/US Gal (0.64 m^2/L) at 60 mils
13 ft^2/US Gal (0.32 m^2/L) at 120 mils

High Build Reinforced Systems: Fabric reinforced systems consist of two applications of **Henry CM100** reinforced with **Henry Polyfab Polyester Fabric.** Use **Henry Pumadeq 31MV** or **Henry 990-25** membrane where flashing sheets are required.

-**Horizontal application:** Pour **Henry CM100** on surface to be covered and spread to an even thickness using a rubber squeegee or rollers. Apply first application at minimum thickness of 60 mils (1.5 mm); embed polyester fabric immediately overlapping a minimum of 6mm (1/2") ensuring full contact. Let first coat set and then apply second coat at a minimum of 60 mils (1.5mm) thickness. Acceptable protection courses include **Henry G100s/s, 990-31, GR08** or a semi-rigid asphalt board.

-**Vertical application:** Spread **Henry CM100** to an even thickness using a trowel or roller. Apply first application at minimum thickness of 60 mils (1.5mm); embed polyester fabric or flashing sheet ensuring full contact. Bond overlaps of flashing sheet with **Henry CM100**. Let first coat set and then apply second coat at a minimum of 60 mils (1.5mm) thickness. Install protection course or drain board, when required, after **Henry CM100** fully cures.

Single Coat Systems: Single coat systems consist of one application of **Henry CM100.** Use **Henry 990-25** membrane where flashing sheets are required.

-**Horizontal application**: Pour **Henry CM100** on surface to be covered and spread to an even thickness using rubber squeegees or rollers. Apply at a minimum thickness of 120 mils and allow 24 hours to fully cure.

-**Vertical application**: Spread to an even thickness using a trowel or roller. Apply at a minimum thickness of 60 mils (1.5mm).

Note: For best results, the following should be considered when installing Henry CM100 in certain weather conditions:

Cold Weather/Low Humidity:
Spray apply a light mist of water over the surface of wet **Henry CM100** 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 CM100** 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 CM100** in direct sunlight at temperatures above 80 °F.

Protection

Henry CM100 must be allowed to cure 24 hours prior to application of protection course. Henry CM100 should be adequately protected from construction activities and installation of overburden. Acceptable protection courses include **Henry G100s/s, 990-31, GR08**, appropriate Henry Drain Board 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 CM100 system.**

Shelf Life

6 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.