

LAURENCO CAVITY WALL VAPOR RETARDER C.V.R.

ITEM: #A7205 - PRODUCT DATA SHEET

PRODUCT DESCRIPTION: Laurenco C.V.R. (Cavity Wall Vapor Retarder). CV.R. is a single application combining a parging coat and air/vapor retarder. This product is a protective solution for buildings requiring a “Class A” vapor retarder.

C.V.R. is formulated as a cavity wall moisture/vapor retarder consisting of proprietary modified aliphatic asphalt base with synthetic rubbers fillers to produce a “gel” structure.

- C.V.R.’s adhesive qualities permit the firm adherence of Styrofoam insulations. Will seal around the tie wires for bricks, etc.
- C.V.R. has been designed to supplant the normally used parging coat creating a smooth exterior surface of the concrete masonry units.
- C.V.R. is applied in a single (1) coat using a ¼ inch deep notched metal float.
- C.V.R. eliminates the mortar parging coat plus the waiting time for the parging coat to cure before installing the vapor retarder.
- C.V.R. will adhere without priming to most concrete and concrete masonry units.
- C.V.R. is formulated for use in all seasons regardless of temperature.
- No reclaimed materials are used.

EXCEPTIONS:

- All surfaces which require a primer to stabilize and “wet” the substrate surfaces.
- Latex concrete.
- Concrete cure agents and some form board release agents.
- Concrete block which has an excessive granular surface.

SURFACE PREPARATION:

- The following precautions are imperative to obtain good adhesion without using an excessive amount of C.V.R.
- All surfaces shall be clean and dry. Use a hand held moisture meter to verify surface dryness. Additionally light blue paper can be used by placing against the surface and verifying no moisture absorption or change in color.
- Do not use concrete cure agents. Apply C.V.R. as soon as possible after form boards are removed.
- Patching (grouting) needs only to be surface dry before application.
- Form board release agents must be comprised of petroleum distillates only.
- Concrete and concrete block precautions:

- Scraped free of latencies, fins, etc. Do not grind! Grinding is not recommended for general surface preparation as it drives the generated cement dust into the pores of the concrete surfaces.
- Grout all honeycombs, tie wire holes, cracks larger than 1/8 inch and surface voids larger and/or deeper than the size of a U.S. Quarter (25 cent piece).
- Surfaces shall be finished to a wood screed, sidewalk, or broom, finish
- All C.M.U. mortar joints shall be finished smooth with the face of the block.

APPLICATION METHOD:

- Application temperatures: C.V.R. is formulated for Spring to Fall (SF) and Winter use. Application grade is noted on the pails.
- Do not apply below 32° F unless the application area is in direct sunlight and wind is minimal.
- Walls may be surface dried using an electric heat gun, FBC/Laurenco does not recommend using open flame tools for safety/fire reasons.
- Use a saw-toothed metal float. Depth of saw teeth should be no more than 1/4 inch.
- Use a straight-edged palette board to move the C.V.R. material to the wall. Same as a paring cement (mortar) application.
- Apply C.V.R. at the minimum rate of 2.5 gallons per **50 sq. ft.** (5 gallons per 100 sq. ft.) to obtain a film thickness of **60 mils minimum** to **90 mils maximum**. Do not exceed 90 mils.
- Wipe around tie wires with a gloved hand. This will obtain a positive seal.
- Embed specified insulation into wet to “tacky” C.V.R. material.

TECHNICAL DATA:

- Color: Black
- Permeability: Initial: 0.05 grams/h/sq.ft. Max (0.77 grains/h/sq.ft.)
- Cured: 0.005 grams/h/sq.ft. max (0.077 grains/h/sq.ft.):
Test Method: ASTM E 96-92 (Water Method).
- Weather-O-Meter: Shore hardness A=60 Max. No cracking, crazing or slump.
- Av. S.H.(A)=54: Test Method: ASTM D 529-82 (Daily Cycle B).
- Adhesion Test: 150lb p.s.i. Min.
Test Method: ASTM C 836-84
- Ductility after Weather-O-Meter: 125% @ 39.2° F
Test Method: ASTM D 113-85
- Solubility parameter: 7.6 Max. Allows use with polystyrene bead board, Styrofoam, etc.
- V.O.C. is less than 250 g/l.



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Additional information concerning specification, application and end usages may be obtained from the LAURENCO Technical Department.

CAUTIONS:

- Accidental spills or drips during application may be removed by releasing a CO₂ foam extinguisher to freeze and peel off offending material. Do not use solvents to remove. Solvent will thin the C.V.R. allowing an even deeper penetration.
- Further staining may be removed by lightly sand-blasting.
- Use ALCM Power Clean (A52029) cleaner for tool clean up. Spray or pour product onto a rag to clean material from the skin.

WARRANTY: Bronze Warranty 5 year.



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