

PROTECTO CMU100 WATER RESISTANT COATING



**Premium Building Products
That Protect**

CMU100 Water Resistant Coating is an alternative material to sheet good membrane products. CMU100 is a flexible and breathable water resistant coating. It is an advanced hybrid acrylic polymer blended coating that is specifically designed for the demanding requirements of water resistant coatings. CMU100 is approved for coating all types of above and/or below grade concrete, masonry block, pre-cast and poured foundation walls, window and door openings, OSB, plywood, and vertical or horizontal concrete substrates.

BENEFITS

- ◆ **One coat application** (based upon a 30 mil wet application)
- ◆ **No primer required**
- ◆ Can be applied directly to damp walls
- ◆ Can apply over High pH substrates
- ◆ Dries tan, no odor
- ◆ Surface cure within 30 minutes depending on climate
- ◆ Can be painted
- ◆ Brush, roller, or sprayed
- ◆ Continuous coatings, eliminates seams
- ◆ Reduces potential mold growth
- ◆ Technical assistance available

LIMITATIONS

Do not let product freeze. Do not dilute CMU100 Water Resistant Coating. Store indoors at temperatures above 32°F. It is recommended that the temperature should be 28°F and rising before application. Do not apply CMU100 Water Resistant Coating when the threat of rain is imminent. CMU100 Water Resistant Coating is not designed to be used as a waterproofing coating to stop moisture penetration caused by cracks or holes in the surface.

KEEP OUT OF REACH OF CHILDREN.

INSTALLATION

CMU100 Water Resistant Coating can be applied directly to block walls after the mortar joints have taken initial set. CMU100 Water Resistant Coating can be applied to poured concrete walls after the forms have been removed.

NOTE

Coverage: Approximately 60 square feet per gallon (based upon a 30 mil wet application) and depending on the porosity of the surface. Call your local Protecto Wrap Representative for additional information.

PREPARATION

Repair all structural deficiencies before applying CMU100 Water Resistant Coating. Protect areas or surfaces not to be coated, such as doors, windows and floors, prior to applying CMU100 Water Resistant Coating.

Fill all voids, holes and cracks greater than 1/16", particularly at mortar joints, with a lean mortar mix or non-shrink grout. Cracks less than 1/8" can be sealed with mortar mix or Protecto Sealant 25XL. CMU100 Water Resistant Coating may be applied directly over uncured Protecto Sealant 25XL.

For Concrete and Masonry, if needed, wash surface to ensure the area to be sealed is clean and free from any contaminants. Concrete and mortar must be cured at least 7 days at 75°F. On tilt-up and poured-in-place concrete, commercial detergents and sandblasting may be necessary to remove sealers, release compounds, and to provide an anchor pattern. Fill bugholes, air pockets and other voids with a lean mortar mix or non-shrink grout.

To improve the performance in selected areas:

- ◆ Use caution when preparing the substrate to create a uniform surface.
- ◆ Cracks, crevices and through-wall openings must be patched using a lean mortar mix or non-shrink grout.
- ◆ Fills voids and openings around windows and doors using a lean mortar mix or non-shrink grout.

APPLICATION

CMU100 may be applied with a brush, roller or airless sprayer **without dilution**. For spraying application, and depending upon sprayer equipment used, the recommended orifice size is 0.027 to 0.031 inches with minimum pressure of 1800 psi. CMU100 can also be brushed or rolled onto the substrate. Equipment cleans up with water.

A minimum total wet application of 30 mils is required for a water-resistive, one coat application. Windows can be installed when CMU 100 is dry to the touch (Typically within 1 hour). Allow 24 hours for full cure.

STORAGE

PROTECT FROM FREEZING. Store between 40°F (4°C) and 120°F (49°C) in original unopened containers out of weather and direct sunlight. If material has frozen, it will turn into a semi-solid condition and/or smell bad and should not be used.

WARRANTY

Protecto Wrap Company expressly warrants, subject to the Exclusion of Warranties provision set forth below, that its products shall be fit for the ordinary purposes for which such products are intended for a period of ten (10) years. **NO OTHER EXPRESS WARRANTIES AND NO IMPLIED WARRANTIES** including implied warranties of MERCHANTABILITY and/or fitness for a particular purpose shall be applicable to any product(s) of Protecto Wrap Company, except to the extent that any of such products are specifically covered by an expressed warranty that is provided in writing to a particular purchaser by an authorized employee of Protecto Wrap Company.

In the event of a breach of any product warranty extended by Protecto Wrap Company, Protecto Wrap Company's liability and the associated claimant's sole and **EXCLUSIVE REMEDY** is **EXPRESSLY LIMITED** to the repair or replacement of the defective product(s) FOB Denver on a pro rata basis according to the original sale price, so that the claimant will effectively be charged only for that portion of the normal useful life of the defective product(s) which has elapsed since the purchase date of the product(s). Under no circumstances shall Protecto Wrap Company be liable for any consequential damages, including any labor costs that may be associated with a breach of any product warranty extended by Protecto Wrap Company.

EXCLUSION OF WARRANTIES

Protecto Wrap Company assumes no warranty regarding the installation of its products. In addition, if Protecto Wrap Company's products are not properly installed, then no product warranties, expressed or implied shall apply to the products that have been improperly installed.

TECHNICAL SERVICES

Technical advice furnished by Protecto Wrap Company concerning any use or application of CMU100 Water Resistant Coating is reliable as current technology allows. Protecto Wrap Company makes no warranty, expressed or implied, of any use of application for which such advice is furnished.

TECHNICAL INFORMATION

Properties	Test Method	Test Results
Tensile Strength	ASTM D 412 -1998a	4200 psi
Hydrostatic Pressure Test	ICBO AC 29	41.52 bursting pressure (in H ² O)
Low Temperature Flexibility	ASTM 1970, Section 7.7	No cracking, damage, or leakage
Water Absorption	AC 29, Section 4.3	.12 % Absorption
Water Vapor Transmission	ASTM E 96	2.98 (grains/hr-ft ²) 7.8 perms
Extensibility after heat aging	ASTM C 836-2000, Section 6.12	No cracking, tearing or breaking
Extensibility after resistance to Decay	ASTM E 154-1999, Section 13	No rupture, cracking, pinholes, or other perforations were observed
Elongation	ASTM E 154-1999, Section 13	125%
Resistance to water	ASTM D 2939-1998, Section 15	No softening, loss of adhesion, or reemulsification was observed.
Flexibility	ASTM D 2939-1998, Section 16	Rating Number 1. No cracks, hairline or otherwise, no loss of adhesion.
Water Absorption	AC29, Section 4.3	0.12% absorption
Film Thickness, Vertical Surface	ASTM C 836, Section 5.9	0.02 in.
Color Fastness of Surface Coating-UV Resistance	ASTM D 2565-1999	No change after 100 hours
Resistance to Mold Growth of Surface Coating	ASTM D 3273-94	No mold growth observed

Drying time @ 77°F, 50% RH:

Temp & humidity dependent

Touch: within an hour

Regulatory Information

US Federal regulations:

O.S.H.A.:

CERCLA:

Vehicle Type:

VOC:

Shelf Life:

Exempt from TSCA

Non Hazardous

Noncarcinogenic Hazard Section 313

Acrylic blend

Contains < 190 gm/l voc

One year from manufacture date



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PROTECTO WRAP COMPANY

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BUILT GREEN.

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