



CMC Seal 1315 UV

High Solids, Non-Yellowing Curing And Sealing Compound

Description

CMC Seal 1315 UV is a solvent based curing and sealing compound specially designed to cure new concrete, assuring proper cement hydration and strength gain, while providing a non-yellowing seal to protect and enhance the appearance of concrete. This product is suitable for use on interior and exterior concrete surfaces. CMC Seal 1315 UV has excellent bonding characteristics and forms a continuous, glossy membrane to make the surface resistant to dirt penetration and other staining. CMC Seal 1315 UV is particularly suited for curing and sealing exterior concrete where membrane yellowing is undesirable.

Primary Applications

- Driveways & exterior pavements
- Walls and columns
- Terrazzo floors
- Parking garages
- Exposed aggregate
- Dry shake floors
- Freight terminals
- Curing and sealing decorative concrete

Features & Benefits

- Helps promote development of concrete strength and durability
- Dustproofs concrete with a tough durable film
- Helps minimize spalling of exterior concrete
- Will not yellow under ultraviolet exposure

Directions For Use

Surface Preparation: The concrete surface must be clean and free of standing water. Remove any curing compounds, sealers, or other material that may prevent adhesion of the CMC Seal 1315 UV.

Mixing: CMC Seal 1315 UV requires no preblending and should be used directly from the container.

Application: Apply at a uniform coverage by spray or roller application. Product must be sprayed with a high pressure pump-up sprayer equipped with a high solids nozzle, or with an airless industrial sprayer. If roller applied, use a short napped, solvent resistant sleeve. Keep a wet edge while spraying and backroll over sprayer lap marks for best appearance.

Curing and Sealing: For the best cure of freshly placed concrete, apply CMC Seal 1315 UV as soon as possible after finishing operations and/or immediately after the disappearance of the “sheen” of surface moisture. When sealing old concrete, the surface must be thoroughly clean and dry. Pressure washing with a strong alkaline detergent to remove dirt, waxes, and oil is suggested. Acids will not sufficiently clean or remove dirt, curing compounds, or old sealer from concrete. Worn or porous areas may need a second application for uniform seal and appearance.

Technical Data

Typical Engineering Data

The following results were developed under laboratory conditions.

Drying time* @ 73°F, 50% RH.....	<1 hour
Recoat.....	2 to 24 hours
Foot traffic.....	2 to 4 hours
Wheel traffic.....	6 to 10 hours
Salt spray 500 hours exposure.....	good
VOC content.....	< 700 g/L
Adhesion to concrete.....	excellent
Adhesion of asphalt tile.....	passes
Alkali resistance	
48 hour exposure.....	excellent
Solvent resistance.....	minimal
Resistance to yellowing.....	excellent
Solids content.....	> 25%
Moisture loss (ASTM C 156).....	< 0.40 kg/m ²

* Low concrete or air temperature and/or high relative humidity will extend drying time.

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Appearance: CMC Seal 1315 UV is a water clear liquid. After application and drying, CMC Seal 1315 UV offers a clear, glossy film. CMC Seal 1315 UV will darken concrete, masonry, pavers, etc., giving these materials a “wet” look. Follow recommended coverage rates carefully for best appearance.

Packaging

CMC Seal 1315 UV is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails and 4/1 gal (3.8 L) units per case.

Specifications

- ASTM C 309, Type 1, Class A & B
- ASTM C 1315, Type 1, Class A
- AASHTO Specification M 148, Type 1, Class A & B
- USDA compliant

Coverage

Coverage will vary from the above rates depending on surface porosity and texture. **AVOID EXCESSIVE BUILDUP. HEAVY APPLICATIONS WILL LEAD TO DISCOLORATION AND POOR PRODUCT PERFORMANCE.**

Application: ft ² /gal (m ² /L)	First Coat	Optional 2nd Coat
Curing and sealing		
new concrete	300-400 (7.4 - 9.8)	400-450 (9.8-11.0)
Sealing Older Concrete	400-450 (9.8-11.0)	450-550 (11.0-13.5)

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Clean-Up

Tools and equipment may be cleaned with xylene, xylol or toluene. Run cleaning solvent through spray equipment to remove residual materials and prevent clogging of nozzle in future use.

Removal

Dried, cured sealer may be removed with strong solvents such as xylene or acetone. Also acceptable are commercial paint strippers (always heed directions and warning labels). Alternatively, CMC Seal 1315 UV can be removed by sandblasting or by other similar mechanical action.

Precautions

Material will not freeze in storage but should be allowed to rise to 50°F (10°C) before use.

- Do not apply when concrete surfaces ☒ or ambient temperatures are below 40°F (4°C). Application in hot direct sunlight, or when the concrete and/or air temperature is 90°F (32°C) and rising, may cause bubbling.
- Do not apply over bleed water or free standing water.
- Use with adequate ventilation and keep away from open flames. Block all HVAC ventilation ducts which may distribute solvent odor. If solvent odor is objectionable, use of a water based, low odor product may be preferred.
- For a high gloss finish, two thin coats of CMC Seal 1315 UV is suggested rather than one heavy application. Apply the second coat within 24 hours of the first.
- Do not apply over concrete to receive toppings, epoxy or urethane-based coatings or adhesives. Although compatible with many carpet, tile and floor covering adhesives, a test section is recommended to ensure good bond between the adhesive and CMC Seal 1315 UV.
- Do not use as a bond breaker for tilt-up construction.
- Do not use in areas subjected to hot grease or oils.
- Not resistant to gasoline or brake fluid.
- Do not thin this product.
- In all cases, consult the Material Safety Data Sheet before use.