



CERTI-VEX[®] AC 30
ACRYLIC CONCRETE CURING AND SEALING COMPOUND
ASTM C-1315 Type 1, Class B • HIGH GLOSS
 VOC Content: 625 gr./liter or 5.22#/gal – Cure & Seal

DESCRIPTION

CERTI-VEX AC 30 a high gloss product, is a 100% styrene acrylic co-polymer based curing, sealing, hardening, dustproofing and water repellent compound. When applied, it quickly dries to a hard clear high gloss film that is tough, chemical resistant, and long lasting. The product is ideal for use on floors, walls, architectural sections and as a base coat for a variety of top coatings.

CERTI-VEX AC 30 forms a clear film that provides superior shine that enhances the appearance of architectural concrete. CERTI-VEX AC 30 is formulated from customized styrene acrylic resins manufactured by Vexcon Chemicals especially for use on cementitious surfaces. The formulation contains no modifiers or extenders that can cause cure and seal to yellow, blush or look non-glossy

CERTI-VEX AC 30 provides an excellent base for most adhesives, paints and a variety of topcoats. The product acts as a prime coat considerably improving adhesion to and preventing lifting of paint, tile adhesives, elastomeric coatings and other toppings. These products meet the requirements of the Tile Adhesion Test of the Resilient Tile Institute and the Tile Adhesion Test Requirements of ASTM-C-1315.

BENEFITS

- Provides for complete development of concrete's wear resistance and strength properties
- Apply to damp surfaces without whitening or loss of adhesion
- Seals and hardens surface reducing clean up and maintenance
- Can be applied to 20^oF.
- Excellent protection against staining, attack by alkali, oil, cleaners and common industrial chemicals
- Prevents efflorescence, dusting and spalling
- Low moisture transmission rate, breathable
- Quick drying
- Excellent base for adhesives
- Re-coatable and paintable
- High Gloss

APPLICATION

Product is supplied at the proper consistency for application and dilution will reduce efficiency. Apply by low-pressure industrial sprayer with neoprene fittings. The sprayer must be clean and dry. If cleaning with solvents is required, use **CERTI-VEX[®] EQUIPMENT CLEANER**. Clean sprayer as directed between applications to ensure best results. If sprayer is not available, use a brush or short napped sleeve roller. If using a roller or applicator, do not overwork the material. Coat in one direction only. Overworked material can become stringy and gum up. Coat uniformly leaving no gaps, slips or excess. Material should not be over applied or allowed to puddle. To protect the sealed floor from ongoing construction dust, dirt and debris, use **CERTI-VEX TALC RELEASE**, data sheet #OP132 until all construction work is completed. Use **CERTI-VEX GRIP**, data sheet #OP115 to improve non-slip profile.

CURING AND SEALING NEW CONCRETE:

Apply CERTI-VEX AC 30 to still damp freshly finished concrete as soon as the surface cannot be marred and water sheen disappears. Do not apply over freestanding water. If application is delayed, concrete must be kept wet (preferably by water spray mist) until product can be applied. Apply first coat at 300 sq.ft. /gal (7.5 m²/L). A second coat is recommended for long term durability. See Second Coat section.

SEALING EXISTING CONCRETE: To provide long term protection and a glossy shine, apply to surfaces that are properly repaired and structurally sound, porous to allow for penetration, cleaned of all dirt, oil, grease and foreign matter. Use **CERTI-VEX[®] CONCRETE STRIPPER** to remove old sealers, epoxies, urethanes, adhesives, curing compound and floor waxes. Prior to application a test area must be performed to determine proper application rate and required surface preparation. To determine that the concrete is penetrable perform a water absorbency test by applying water to a representative portion of the prepared concrete floor. A properly prepared surface when dry will immediately absorb clean water without any surface beading effects. Application to still damp surfaces is acceptable however free standing water must be removed.

Apply CERTI-VEX AC 30 at 400-500 sq.ft. /gal (10-12.5 m²/L) on hard non-porous floors and 250-300 sq.ft. /gal (6.2-7.5 m²/L) on porous floors. A second coat is recommended for long term durability. See Second Coat section

SECOND COAT: After application of the first coat a second coat may be applied. Typically a second coat is applied when the surface has dried thoroughly or 24 hours after the first coat. Material will dry in less than 4 hours at 72 ° F (22°C). Apply second coat at 400-500 sq.ft. /gal (10-12.5 m²/L).

MAINTENANCE

Spills should be removed promptly and cleaned with a high quality commercial detergent. Floors should be cleaned regularly. Periodic reapplication may be required as the sealer wears off.

SPECIFICATIONS/COMPLIANCE

- ASTM C 1315 Type 1, Class B
- AASHTO M-148
- ASTM C 309 Type 1 Class A&B
- ASTM D 2047 Slip Resistance Tests
- Meets USDA and ADA non-slip requirements
- Federal specification TTC0800A (GSA FSS) Type 1
- VOC Compliant: 625 gr./liter or 5.22#/gal – Cure & Seal
Test reports are available upon request

TOPCOATS AND ADHESIVES

CERTI-VEX AC 30 cured concrete can be topcoated with a variety of paint, adhesives and mastics, a minimum of 28 days after application. It is strongly suggested that a test area be applied prior to coating the entire surface, since products can adhere to concrete in varying degrees. Concrete cured with CERTI-VEX AC 30 is typically topcoated without incident, however, it is advisable to check with the manufacturer of the topcoat for any precautionary and compatibility information.

SPECIAL NOTES

To assist in application please note, 200 sq.ft. /gal wet film is approximately equal to the thickness of a sheet of paper

- Will tend to show rubber burns
- Will cause bleeding of bituminous surfaces
- May cause mottling of colored surfaces
- Not gasoline resistant. Use VEXCON POWERCOAT® GR C&S
- Over application may lead to surface discoloration and improper sealer performance
- Do not apply more material per gallon than specified
- Can apply when surface temperatures are 40° F - 85° F, when below or above these ranges review Vexcon's Cold and Hot Weather Application Guides
- If properly stored in its original sealed container, three years from date of manufacture. Rotate your stock.
- For use by professional applicators

PACKAGING

CERTI-VEX AC 30 is available in 55-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

VITAL STATISTICS

- Flash Point (TCC): 106° F (41°C)
- Boiling Point (706 mmHg): 310-403 F (154-207°C)
- Autoignition Temp: Above 473° F (245°C)
- Extinguishing Media: Foams, Dry Chemical, CO2,
Water may be used to reduce the rate of burning and for cooling containers.

PHYSICAL PROPERTIES

- Wet appearance Water White
- Dry appearance Clear
- Dry to touch 45 minutes
- Dry - tack free 85 minutes
- Foot traffic 24 hours
- Vehicle traffic 72 hours
- Solids 30% minimum

Note: All calculations based upon 68-77° F (20-25° c). Lower temperatures and relative humidity will extend dry times.

HEALTH AND SAFETY

- Use only with adequate ventilation.
- Use of gloves, goggles and other protective clothing is advised when using this product.
- If swallowed, do not induce vomiting.
- Use of respirators is advised when using in confined areas.

Vexcon MSDS #CS120 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product, it is advisable to obtain a copy of the MSDS from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

Additional product information, technical assistance and customer service is available by contacting Vexcon Chemicals directly or our distributors.

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