DESCRIPTION
A high solids, water clear acrylic copolymer that cures, seals, dustproofs and hardens freshly cast concrete. Contains JP-64 to assure adhesion and eliminate flaking. A high gloss film that provides maximum protection to slabs against common staining materials. Reduces slab clean-up costs up to 50%.

USE
Freshly Placed Concrete: Spartan Cote V.O.C. is formulated for curing and sealing freshly cast and finished concrete by retaining the hydration water. Spartan Cote V.O.C. cure sealer, hardener and dustproofer.

BENEFITS
- May be applied on vertical, horizontal, interior or exterior surfaces; the surfaces may be dry or damp
- Provides a tough glossy film that is resistant to abrasion and common staining materials, prevents the adhesion of cementitious droppings and the penetration of most oils and greases
- Maintenance and clean-up costs are greatly reduced for the contractor; janitorial costs are reduced for the occupant
- Treated floors are clean and bright, contributing to better lighting levels
- May be recoated prior to occupancy for a glossy final finish
- When applied to exposed aggregate or terrazzo, these surfaces are cured and beautified in one application; a bright glossy finish is imparted to the aggregates, additionally, the sealing effect reduces aggregate pop-outs and de-icing chemical damage
- Provides a tough film that is resistant to foot traffic and pneumatic and covered wheel traffic abrasion in warehouses, commercial, institutional and industrial buildings
- May be recoated at any time without stripping the prior application

APPLICABLE STANDARDS
Recommended for use on Class 1, 2, 3 and 4 concrete floors as classified in Table 1.1, ACI Standard 302-77. ASTM C-309, Type I, Class A and B. AASHTO M-148 Type I, NAVDOCK 13 YF.

TEST DATA
Specification Compliance
Complies with all specification requirements of ASTM C-1315, Type I, Class B. ASTM C-309, Type I, Class A and B and AASHTO M-148, Type I and/or Type I-D including:

- Moisture Loss:
  - Applied at 200 ft²/gal. (4.9 m²/L) 0.28 kg/m²
  - Test Requirement 0.55 kg/m² max

ARCHITECTURAL SPECIFICATIONS
Liquid Membrane Curing And Sealing Compound: Immediately after final trowel apply an approved curing and sealing compound containing a minimum 25% acrylic solids. Material must comply with ASTM C-309, Type I, Class A and B. The compound shall be a clear, acrylate type: compound shall be Spartan Cote V.O.C. or approved equivalent.

APPLICATION
Coverage: ft²/gal. m²/L
- Curing 200 4.9
- Dustproofing and Sealing 200-400* 4.9-9.8
- Aged Concrete 300-600 7.4-14.7

*Apply two coats for dustproofing and sealing benefits.

Coverage will vary depending on the texture and porosity of the concrete. On broom or rough finished concrete, double the coverage rate.

Apply immediately after final finishing operations and/or after the bleed water has receded. At this point, apply promptly in an even uniform coat.

For a superior finish and added curing and sealing protection, apply a second coat at 400 sq. ft. per gallon (9.8 m²/L) after the first coat has fully cured.

Aged Concrete: Surface must be free of dirt and other foreign matter. The surface may be damp but there must be no standing puddles.

An application of Spartan Cote V.O.C. will renovate established concrete, brick or terrazzo floors. These surfaces will be brighter and easier to clean and maintain.

Refer to www.daytonsuperior.com for latest Technical Data Sheet and MSDS
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bur-18 • For Commercial/Industrial Use Only • Page 1 of 3
SPARTAN COTE V.O.C.
CONTINUED

Methods: Application may be made with a sprayer, brush, roller, or lambs wool applicator. Spraying or a lambs wool applicator generally will provide superior results.

Tilt-Up Construction: For uniquely superior results on tilt-up jobs, use Spartan Cote V.O.C. as the curing compound in conjunction with Burke by Edoco Bondbreakers. The use of Spartan Cote V.O.C. will provide maximum protection to the bed (slab), reduce the amount of Burke by Edoco Bondbreaker necessary when the concrete contains fly-ash, in addition to imparting an abrasion resistant and dustproofed surface. To meet the requirements of the five year warranty a second coat after the panels are lifted is necessary.

Composition
A clear copolymer acrylate. Spartan Cote V.O.C. contains no fillers or cheapening agents.

Color: Transparent. Fugitive dye is available upon request.

PACKAGING
55 gallon drums (208.2 L)
5 gallon pails (18.9 L)
1 gallon cans (6 to a case) (3.8 L)

LIMITATIONS/PRECAUTIONS
Does not provide a base for cementitious materials. When used over colored concrete, Spartan Cote V.O.C. may enhance color variation or imperfections. Rubber wheeled vehicles may leave black marks. It should not be used when other sealers are to be used without consulting Burke by Edoco. When used as an exterior sealer, an amber color may develop under certain circumstances.

Care should be taken not to apply Spartan Cote V.O.C. to the interfacing of channels to be caulked with elastomeric sealants. This can be avoided by masking. Surfaces can be damp, but not wet. Tools should be cleaned immediately after use with 1018 Eposolvent.

Caution...Combustible. Contains petroleum distillates. Keep out of reach of children. Do not take internally. Do not breathe vapors. Avoid prolonged contact with skin. If swallowed, do not induce vomiting - call physician. If splashed in eyes, wash repeatedly with clean water and call physician. Keep away from heat, sparks and open flame. Protect food supplies from direct contact with material or its vapors.

Recommended Safety Equipment: Rubber gloves, goggles and if applied in areas of poor or inadequate ventilation, use mine safety appliances, mask and canister.
Organic Vapor Mask
(No. 457081)
Organic Vapor Canister
(No. 77705GAM)

Threshold Limit Value: 100 PPM. Ventilation system should be capable of exchanging total air volume in application area in 30 minutes or less.

Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using the product.

FIVE (5) YEAR ANTI-DUSTING WARRANTY
Burke by Edoco extends to the portion of the above project on which Spartan Cote V.O.C. is used as a curing and sealing agent, a five year anti-dusting Warranty based on the following procedures:

1. Spartan Cote V.O.C. is to be applied in a two coat application or as additionally directed by Burke by Edoco.

The cure coat is to be applied at no less than two hundred square feet per gallon (4.9 m²/L).

The seal coat is to be applied at no less than three hundred square feet per gallon (7.4 m²/L).

2. The material is to be applied under the supervision of Burke by Edoco or their authorized agent and a certificate of Warranty issued by Burke by Edoco.

In the event that the concrete should begin dusting, as a result of wear and abrasion, during the Five Year Warranty period, shall supply enough material, at no charge, to reseal only those areas that are dusting.

A certificate of Warranty shall be issued by Burke by Edoco.

V.O.C. CONTENT
Less than 700 g/L. Complies with Federal V.O.C. standards for Curing and Sealing Compounds. Do not thin or dilute.
STORAGE

Spartan Cote V.O.C. should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head. Material should not freeze in storage but should be allowed to rise to 50° F(10°C) and agitated before use.

MANUFACTURER
Dayton Superior Corporation
7777 Washington Village Dr., Ste. 130
Dayton, OH 45459
Customer Service: 888-977-9600
Technical Services: 866-329-8724
Website: www.daytonsuperior.com

WARRANTY
Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton’s product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton’s instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

LIMITATION OF LIABILITY
Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

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