

TECHNICAL DATA SHEET

DESCRIPTION

TOP-CAST CS 400 Cure and Seal is a water based, non-yellowing acrylic copolymer curing and sealing compound that may contribute to LEED Credits. Top-Cast CS 400 cures, seals and dustproofs freshly finished concrete surfaces.

Top-Cast CS 400 is part of the TOP-CAST® Decorative Finish System including:

TOP-CAST® Surface Retarder
 TOP-CAST® SS 100 Site Saver
 TOP-CAST® EX 200 Wash-Off Extender
 TOP-CAST® PR 300 Penetrating Protector
 TOP-CAST® CS 400 Cure and Seal
 TOP-CAST® HG 500 High Gloss Sealer

USE

Top-Cast CS 400 is designed to be used on freshly exposed aggregate concrete as a membrane forming curing compound that surpasses the requirements of ASTM C309. Top-Cast CS 400 can be used on both interior and exterior concrete surfaces. This ultra low VOC curing and sealing compound can be used in all VOC restricted regions throughout Canada and the United States.

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FEATURES

- May contribute to LEED credits
- VOC compliant in all regions
- Ultra UV stable, non-yellowing
- Attractive semi gloss finish
- Cures/seals/dustproofs new concrete
- Low odor
- Non-flammable
- Safe to use and store
- Meets ASTM C309
- Compatible with future applications of Top-Cast HG 500
- Tested and compliant per CDPH V1.2



PROPERTIES

ASTM C-309, Type 1 Classes A & B
 AASHTO M-148, Type 1, Classes A & B

Drying time:

Approximately 2-3 hours at 70°F (21°C) for recoating or light traffic. Wait 12 hours for heavy traffic. Dry time is temperature, wind and humidity dependent.

VOC

Less than 100 g/L. Compliant with all Canadian and U.S VOC regulations for Concrete Curing Compounds including Federal EPA, OTC, LADCO, SCAQMD & CARB.

Estimating Guide

Curing:

1st coat 200 Ft²/Gallon (4.9 M²/Liter)

2nd coat 400 – 600 Ft²/Gallon (9.8 – 14.8 M²/Liter)

Texture and absorption rate of the concrete will influence coverage rate.

Packaging

PRODUCT CODE	PACKAGE	SIZE	
		Gallons	Liters
101032	Pail	5	18.9

STORAGE

The Top-Cast CS 400 should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head. Do not allow to freeze. Shelf life of properly stored, unopened containers is 18 months.

Mixing

Stir thoroughly prior to use. Do not thin or dilute.

Placement:

Apply Top-Cast CS 400 once Top-Cast Surface Retarder has been fully removed, and after all surface water is off the exposed aggregate. Uniformly apply by using low pressure spray, roller or brush. Do not allow Top-Cast CS 400 to puddle.

Multiple thin coats are preferable over heavy coats. Application of a second coat after the first coat has dried will provide a longer lasting, gloss film with improved water retention properties. Re-application can take place as soon as the previous coat has dried. Protect the application from rain, snow or excessive moisture for 24 hours.

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CLEAN UP

Clean tools and equipment with clean water while product is still wet. Dried material may be removed with Green Bean Clean®.

LIMITATIONS

FOR PROFESSIONAL USE ONLY

This product should not be used at temperatures below 40°F (4°C)

Do not apply concrete or mortar toppings over sealed surfaces

Avoid spraying Top-Cast CS 400 into joint prior to installation of sealant

May show rubber tire marks

Do not use high speed mixing equipment

Not compatible with exposed aggregate treated with Top-Cast PR 300 Penetrating Protector.

PRECAUTIONS

READ SDS PRIOR TO USING PRODUCT

- Use with adequate ventilation
- Wear protective clothing, gloves and eye protection (goggles, safety glasses and/or face shield)
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, seek medical help immediately
- May cause skin irritation upon contact, especially prolonged or repeated. If skin contact occurs, wash immediately with soap and water and seek medical help as needed.
- If eye contact occurs, flush immediately with clean water and seek medical help as needed
- Dispose of waste material in accordance with federal, state and local requirements

MANUFACTURER

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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.

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.