



# ULTRA SEAL 30 EF

EARTH FRIENDLY®, HIGH PERFORMANCE CONCRETE SEALER

### PRODUCT DESCRIPTION

Ultra Seal 30 EF is an Earth Friendly (EF) 30% solids acrylic, non-yellowing concrete sealer that may contribute to LEED Credits. EF formula is low odor and contains VOC < 100 g/L, making it VOC compliant in all regions. The Ultra Seal 30 EF is designed to seal, protect and add an attractive gloss to existing concrete and decorative concrete surfaces. Ultra Seal 30 EF is blush resistant and has good resistance to common chemicals such as motor oil, antifreeze, vinegar and bleach.

### USE

Ultra Seal 30 EF can be used on all existing concrete and decorative concrete surfaces, where a glossy, film forming sealer is desired. Ultra Seal 30 EF is non-yellowing making it suitable for both interior and exterior applications. This ultra low VOC sealer can be used in all VOC restricted regions in the United States.

### BENEFITS

- May Contribute to LEED Credits
- Earth Friendly (EF), VOC < 100 g/L
- VOC Compliant in All Regions
- High Performance
- Resists Blushing, Hazing or Whitening
- Ultra UV Stable, Non-yellowing
- Attractive Gloss Finish
- High End Decorative Appearance
- Low Odor
- Excellent Weatherability
- High Tensile Bond Strength
- Easy Spray/Roll Application
- Non-Flammable
- Safe to Use & Store

### PROPERTIES, TEST DATA

Solids Content: 30%  
 Moisture Vapor Transmission, ASTM D1653 A: 40 g/m<sup>2</sup> per 24 hours  
 Accelerated Weathering: ASTM G53: Non-Yellowing after 4000 Hours QUV  
 Weight/gal. : 8.60 +/- 0.015 lbs./gal.

### CHEMICAL RESISTANCE

Chemical Resistance per ASTM D1308 (4 hr. contact time). Results based upon lab testing for splash, spillage and intermittent contact. Clean up all contaminants as soon as possible to avoid staining. A mock up sample is recommended to determine suitability of resistance for any particular application.

REAGENT	RATING	RECOVERY
MOTOR OIL	5	NO EFFECT
GASOLINE	3	SLIGHT YELLOWING
POWER STEERING FLUID	5	NO EFFECT
ANTIFREEZE 50%	5	NO EFFECT
BRAKE FLUID	2	SLIGHT SOFTENING/STAIN
TRANSMISSION FLUID	5	SLIGHT YELLOWING
10% ACETIC ACID	5	NO EFFECT
5% HCl	5	NO EFFECT
5% SODIUM PHOSPHATE	5	NO EFFECT
VINEGAR	5	NO EFFECT
KETCHUP	5	NO EFFECT
MUSTARD	3	LIGHTER COLOR
COFFEE	4	LIGHTER COLOR
GRAPE JUICE	5	NO EFFECT
BLEACH	5	NO EFFECT
"409" CLEANER	4	LIGHT RING

Rating Key: 5=best (no effect); 1 = worst (destroyed)

### VOC

Complies with all applicable VOC standards. Actual VOC = 95g/L

### MOCK UP

Provide on site mock up prior to start for approval of color, texture and workmanship.

### APPLICATION

#### Surface Preparation

Substrates should be clean, free of all debris and contaminants and thoroughly dry. Newly placed concrete, toppings or overlayments must be cured 24-48 hours from time of completed installation, depending on ambient conditions, substrate and mix design. Longer curing times are required in cool, damp conditions. Concrete curing compounds, if used must be removed prior to application of sealer. Extremely slick, dense substrates may require abrasion prior to application to achieve adequate adhesion of sealer.

#### Mixing

ULTRA SEAL 30 EF should be thoroughly mixed prior to application. Do not thin or dilute.

Refer to [www.daytonsuperior.com](http://www.daytonsuperior.com) for latest Technical Data Sheet and MSDS  
 7777 Washington Village Dr., Suite 130, Dayton OH 45459  
 Customer Service: (888) 977-9600  
 Technical Assistance: (866) 329-8724

# ULTRA SEAL 30 EF

CONTINUED

Placement

Apply the Ultra Seal 30 EF by brush, roller or spray

(airless spray application is recommended). Uniformly

apply the Ultra seal 30 EF at 200 -300 ft<sup>2</sup>/gallon (4.9-

7.4 m<sup>2</sup>/L) per application. Allow the Ultra Seal 30 EF

to dry, then uniformly apply a second coat of sealer at

the same coverage rate. Ensure application is uniform

and a complete film over the entire surface has been

achieved. Do not apply the sealer applications too

heavy or too light per coat. Light coats do not form a

complete film, while heavy coats will extend the dry

time and could discolor or peel. In general, two light

mist coats are more effective than one heavy single

coat. 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.

## CLEAN UP

Clean tools, equipment and wet material with clean water. Dried material may be removed with Green

Bean Clean.

## WASTE DISPOSAL

Dispose of waste material and empty packaging in accordance with all Federal, State and Local

requirements. Refer to the product's MSDS for further

information.

## ESTIMATED YIELD

200 - 300 ft<sup>2</sup>/gallon (4.9-7.4 m<sup>2</sup>/L) per application, 2 applications recommended.

## PACKAGING

ITEM #	Package	Size	Weight
309249	Jug	1 Gal	3.78
308690	Pail	5 Gal	18.9
308691	Drum	55 Gal	208

## STORAGE

KEEP FROM FREEZING. Store in cool dry area. Shelf life is 18 months from date of manufacture in original unopened containers.

## COLOR

Milky white liquid that dries clear.

## LIMITATIONS

Minimum ambient and surface temperature for application is 45°F (7.2°C) during application and for a



## PRECAUTIONS

Use with adequate ventilation. Keep out of the reach of children. Do not take internally. In case of ingestion, CALL A PHYSICIAN immediately. DO NOT induce vomiting. Can cause skin irritation upon 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. Read MSDS before using product.

## 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](http://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 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 or competent jurisdiction that any remedy provided in these terms or available at law falls or its essential purpose.

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DAMMON ENGINEERING INC

Date: 2.17.10 Project: Stennis ROF

Reviewed: X

Revise as Noted: \_\_\_\_\_

Revise and Resubmit: \_\_\_\_\_

Rejected: \_\_\_\_\_

Other: \_\_\_\_\_

Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications. This check is only for review of the general conformance with the design concept of the project and general compliance with the information given in the contract documents. This contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his or her work with that of all other trades and performing all in a safe and satisfactory manner.

Submittal Item: Concrete Sealer

Comments