

## TECHNICAL DATA SHEET

### DESCRIPTION

Tuf Seal™ J35LVOC is a low VOC, exempt-solvent based sealer developed specifically for exterior surfaces. Tuf Seal J35LVOC is a clear protector that brings out the radiance and luster of all natural aggregate and preserves a long lasting, durable finish.

### USE

Tuf Seal J35LVOC emphasizes natural aggregate colors. This superior concrete protector is recommended for use on exterior concrete including; exposed aggregate, colored concrete, stained concrete or other architectural surfaces.

### FEATURES

- Designed with advanced and VOC compliant solvents to meet the most stringent VOC requirements
- Excellent abrasion and impact resistance
- Produces a glossy appearance on new or old surfaces
- Non-yellowing under extreme exposure
- Acts as a binder to minimize aggregate “popout”

### Drying time:

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

### Note:

The Technical information presented in this document is based upon Dayton Superior’s present knowledge. The purchaser is responsible for determining the suitability of the product for use and assumes all liability in connection with any particular application, use or compliance with any specifications. Dayton Superior reserves the right to make changes to this document at any time.

### voc

VOC of less than 100 g/l. Complies with Canadian and U.S. Federal EPA, OTC, CARB, LADCO, and Colorado Standards for Concrete Sealers

### Estimating Guide

Primer Coat\*: 400-500 ft<sup>2</sup>/gal. (9.8-12.3 M<sup>2</sup>/L)  
 First Coat: 200-300 ft<sup>2</sup>/gal. (4.9-7.4 M<sup>2</sup>/L)  
 Second Coat: 300-500 ft<sup>2</sup>/gal. (7.4-12.3 M<sup>2</sup>/L)

NOTE: Texture and absorption rate of the concrete will influence coverage rate. Two coats of Tuf Seal J35LVOC are recommended. Allow the first coat to dry before applying the second coat.

\*Concrete with high porosity may require a primer coat.

### Packaging

PRODUCT CODE	PACKAGE	SIZE	
		Gallons	Liter
101092	Pail	5	18.9

### STORAGE

Shelf life is 24 months from date of manufacture in unopened containers. Store out of direct sun in a temperature range between 0°F (-18°C) to 110°F (43°C).

### Surface Preparation:

All surfaces must be sound structurally and completely free of all foreign materials including curing compounds. All retarders used on exposed aggregate installations must be removed. After a rain, a minimum of 24 hours must be allowed for the surface to dry. Concrete should be cured for 7 days. Avoid application in windy conditions, direct sunlight, or to hot surfaces.

### APPLICATION

Apply by spray or roller at approximately 250 sq. ft. per gallon (6.2 m<sup>2</sup>/L). Maintain a wet edge while applying. When applying by roller, do not roll excessively. Do not roll or brush excessively or when material begins to become tacky.

When spray applied, the Tuf Seal J35LVOC must be applied by a high quality “low-pressure pump-up type sprayer” such as manufactured by Hudson, Chapin or others with acetone resistant gaskets and hoses. The tip size must be able to produce a well atomized spray pattern. The sprayer must be kept under sufficient pressure to correctly atomize the Tuf Seal J35LVOC without streaming, tailing, or spitting. A 1/2 (0.5) gal. /minute tip is generally recommended for most applications.

Avoid runs, bubbles and puddling. Apply as to form a continuous uniform membrane. If run-downs or puddles occur, remove excess with a brush or roller.

Two applications are recommended when an extra high gloss is desired or on an especially porous surface. Concrete that exhibits extreme porosity may require a thin prime coat to avoid air bubbles in the material. Apply prime coat at 400-500 sq. ft. per gallon (9.8–12.3 m<sup>2</sup>/L).

Allow the first application 2-4 hours drying time before second application. Dry time will be influenced by both temperature and humidity.

## TECHNICAL DATA SHEET

**CLEAN UP**

Tools and Equipment: Clean using acetone or Dayton Superior Citrus Cleaner J48.

**LIMITATIONS**

DO NOT USE ON INTERIOR OR ENCLOSED SPACES!

For applications of a sealer in an enclosed structure Dayton Superior recommends a water based product like the Ultra Seal EF.

Allow 24 hours after rain before application.

Avoid application in windy conditions, direct sunlight, or to hot surfaces.

Do not apply at temperatures below 40°F (4 °C) or when the average daily temperature remains below 40°F (4°C).

Tuf Seal J35LVOC is not intended for areas subject to high abrasion, such as bridge decks and roadways.

Do not use Tuf Seal J35LVOC on bituminous surfaces, staining will result.

Will interfere with the adhesion of sealants, thus avoid spraying Tuf Seal J35LVOC into a joint prior to installation of sealant.

Apply to concrete that is a minimum of 7 days old.

Not for use under resinous (epoxy, polyester, urethane, etc.) coatings.

Film may show black rubber tire marks.

Not recommended for use on slick or dense surfaces.

**FOR PROFESSIONAL USE ONLY**

CAUTION...Extremely Flammable. Keep away from heat, sparks, and open flame.

**PRECAUTIONS****READ SDS PRIOR TO USING PRODUCT**

- Keep material and containers away from high heat, open flames, sparks or other sources of ignition
- 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.