

## TECHNICAL DATA SHEET

### DESCRIPTION

A concentrate solution of sodium orthosilicate with a fugitive dye.

### USE

A concentrated material for hardening and dustproofing of interior and exterior, horizontal and vertical surfaces. Densifier Concentrate J12 does not discolor the concrete and does not produce objectionable odors. Densifier Concentrate J12 reacts with the free lime in concrete to provide a chemically hardened surface.

### FEATURES

- Will not discolor
- Does not produce objectionable odors
- Helps to dustproof concrete surface
- Breathable
- Will not scratch or peel
- Tested and compliant per CDPH V1.2



### Drying time:

Approximately 1 hour at 70°F (21°C). Allow treated area to dry before opening to traffic. Dry time is temperature, humidity and wind dependent.

### voc

“0” g/L. Compliant with all Canadian and U.S. VOC regulations for including Federal EPA, OTC, LADCO, SCAQMD & CARB.

### Estimating Guide

For estimating purposes, 1 gal (3.78 L) of Densifier Concentrate J12 will make 5 gallons (18.93 L) of useable product after proper dilution.

Broom finish 200 – 400 Ft<sup>2</sup>/Gallon 4.9 – 9.8 M<sup>2</sup>/Liter  
 Trowel finish 500 – 600 Ft<sup>2</sup>/Gallon 12 – 14.8 M<sup>2</sup>/Liter

Texture and absorption characteristics of the surface will dictate final coverage rates. \*All surfaces to receive resilient tile mastic adhesive should be treated at the Trowel Finish coverage rate, however, always consult the adhesive manufacturer prior to application.

Over-application may require scrubbing or sanding to remove excess material.

### Packaging

| PRODUCT CODE | PACKAGE | SIZE    |        |
|--------------|---------|---------|--------|
|              |         | Gallons | Liters |
| 69021        | Pail    | 5       | 18.9   |

### STORAGE

Keep from freezing. Shelf life is 18 months from date of manufacture in original unopened containers.

### Surface Preparation:

Substrate must be absorptive. Remove all oil and grease, paint and coatings to assure penetration and hardening. On older concrete floors, clean and restore surface as necessary. Apply to a completely dry surface approximately 24 hours after cleaning.

### Mixing

Mix the Densifier Concentrate J12 prior to diluting with water. Dilute the Densifier Concentrate J12 by adding four (4) gallons (15.14 L) of clean, fresh water with one (1) gallon (3.78 L) of Densifier Concentrate J12. Use a clean container, stir while adding water. Mix thoroughly prior to each use.

### Placement:

Apply only when temperatures are above 40°F (4°C). Apply with low pressure spray, soft bristle broom, brush or squeegee. For optimum hardening, apply two coats. Remove excess material and puddles from surface after application s complete.

### CLEAN UP

Tools and equipment use clean, fresh water. After the product dries, hot water scrubbing or sanding may be required for removal.

### LIMITATIONS

#### FOR PROFESSIONAL USE ONLY

If an ACI 308 method of curing is desired or required, use water, sheet materials or a membrane forming curing compound. Not for use on colored concrete surfaces. Will stain glass, metal and other trim. Protect from contact. Clean accidental splash or spill immediately with water. Always dilute to proper proportion (4 parts clean water to 1 part concentrate) before use. For enhanced abrasion resistance and protection, use Dayton Superior Sure Hard Densifier J17.

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**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**

Dayton Superior Corporation  
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Miamisburg, OH 45342  
Customer Service: 888-977-9600  
Technical Services: 877-266-7732  
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.**

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.