

Technical Data

SAFE CURE & SEAL™ (J-18)

Water Based Cure, Seal and Dustproofers **V.O.C. COMPLIANT**

PRODUCT DESCRIPTION:

Safe Cure & Seal is a water based acrylic copolymer containing 16% solids that offers a combination curing, sealing and dustproofing for freshly finished concrete surfaces. This product dries to produce a non-yellowing, durable, clear film on concrete. Safe Cure & Seal is ideal for interior applications because it is free of noxious flammable fumes.

PURPOSE:

Safe Cure & Seal is a convenient, safe-to-use product that meets the ASTM C-309 specs as an effective membrane curing compound and is an excellent dustproofers and surface sealer. It is designed for interior and exterior use on both freshly finished and older concrete surfaces.

Because it is water based, Safe Cure & Seal is much safer to use than conventional solvent based products. Typically, solvent based products are flammable and have a strong irritating odor. Safe Cure & Seal has no odor and is non-flammable.

Safe Cure & Seal will resist many chemicals, help protect against staining and allows for easy removal of mortar splatters.

ADVANTAGES:

- Water based
- Meets ASTM C-309 Specs as an effective curing compound
- Excellent sealer & dustproofers
- Low odor
- Non-Flammable
- Easy clean-up with water
- Good chemical and stain resistance
- Interior/exterior applications

MEETS SPECIFICATIONS:

ASTM C-156 (Method of testing water retention for ASTM C-309)
ASTM C-309, Type 1, Class A & B,
AASHTO M-148, Type 1, Class A & B

Note: Federal Specification TT-C-800A has been cancelled and officially replaced by ASTM C-309.

APPLICATION INSTRUCTIONS:

Agitate Safe Cure & Seal before each use.

Fresh Concrete:

Apply Safe Cure & Seal immediately after all surface water has disappeared and the surface cannot be marred. Application of Safe Cure & Seal too early or too late can affect the overall curing performance. Use low pressure spray, roller or brush. Do not thin. Apply uniformly without puddles.

Application of a second coat, after the first coat has dried, will provide a longer lasting, higher gloss coating with improved water retention performance.

Old Concrete:

Clean and restore surface as required. Apply two uniform applications as above. Allow first coat to dry before applying second coat.

Note: On old concrete surfaces, Dayton Superior recommends a more breathable sealer like: Safe Seal Heavy Duty (J-24 H.D.) or Day-Chem Tuf Seal (J-35).

APPROXIMATE COVERAGE RATES:

	FT ² per Gallon	M ² per Liter
Curing	200	4.9
Sealing	200 – 400	4.9 – 9.8
Second Coat	400 – 600	9.8 – 14.7

Texture and absorption of surface will influence final coverage rates.

DRYING TIME:

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

PACKAGING:

5 gal. (18.9L) pails and 55 gal. (208L) drums

CLEANUP:

Tools and equipment can be cleaned with warm, soapy water before the product dries. For removal of dried product, use Dayton Superior Citrus Peel (J-48).

LIMITATIONS:

This product should not be used at temps. below 40°F (4°C). Do not apply concrete or mortar toppings over sealed surfaces.

Remove Safe Cure & Seal with Citrus Peel (J-48) before applying resinous (epoxy, polyester, urethane, etc.) coatings.

May show rubber tire marks.

Do not allow the stored product to freeze. Shelf life is one year.

WARNING:

- 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

If splashed in the eyes, flush thoroughly with clean water for a minimum of 15 minutes. CALL A PHYSICIAN immediately. May cause irritation to the skin. If brought into contact with the skin, wash thoroughly with soap and water. Avoid excessive breathing of vapors and spray mist. Reseal container after each use. Wear protective clothing, gloves, and goggles. Read MSDS before using product.

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TECHNICAL SERVICES:

Contact the technical staff for assistance at:

1-866-329-8724 • 1-913-233-1750 • FAX: 1-913-279-4806

daytonsuperiorchemical.com

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