

TECHNICAL DATA SHEET

DESCRIPTION

Hydroseal 18 is a non-yellowing, acrylic emulsion, membrane forming curing and sealing compound. The Hydroseal 18 cures, seals and dustproofs freshly finished concrete surfaces.

USE

Hydroseal 18 is designed to be used on freshly finished concrete as a membrane forming curing compound that meets the requirements of ASTM C309. Hydroseal 18 can be used on both interior and exterior concrete surfaces. This low VOC curing and sealing compound can be used in most VOC restricted regions throughout the United States including; Federal EPA, OTC, LADCO, & CARB.

FEATURES

- May Contribute to LEED credits
- UV Stable, Non-yellowing
- Cures/Seals/Dustproofs New Concrete
- Low Odor
- Non-Flammable
- Safe to Use & Store
- Meets ASTM C309

PROPERTIES

ASTM C309, Type 1 Classes A & B

AASHTO M-148, Type 1, Classes A & B

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

Drying time:

Dry 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 200 g/L. Compliant with Canadian and US VOC regulations for Concrete Curing Compounds including Federal EPA, OTC, LADCO, & CARB.

Estimating Guide

100 ft²/gal. (4.9 m²/L) broom finished concrete
200 ft²/gal. (9.8 m²/L) steel troweled concrete

Texture and absorption of surface will influence final coverage rates

Packaging

PRODUCT CODE	PACKAGE	SIZE	
		lbs.	kg
140818	Pail	5	18.93
140824	Drum	55	208.20

STORAGE

The Hydroseal 18 should be stored in tightly sealed original factory containers. Store drums 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 Hydroseal 18 immediately after all surface water has disappeared and surface cannot be marred. Application of Hydroseal 18 too early or too late can affect the overall curing performance. Use low pressure spray, roller or brush. Apply uniformly without puddles. Multiple thin coats are preferable over heavy coats. Application of a second coat, after the 1st coat has dried, will provide a longer lasting higher gloss film with improved water retention properties. For improved application consistency and reduction in labor, use the Dayton Superior Spray-Pro (Item # 309233 or 309232) power spray system.

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 Hydroseal 18 into joint prior to installation of sealant.

May show rubber tire marks.

Do not use high speed mixing equipment.

Remove Hydroseal 18 with Unitex Citrus Cleaner before applying resinous (epoxy, polyester, urethanes, etc.) coatings.

When moisture-sensitive flooring is to be applied to the concrete treated with this product first refer to ACI 302.2R

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.

Sec
Cures & Seals

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MANUFACTURER

Dayton Superior Corporation
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Technical Services: 877-266-7732
Website: 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.

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