

Technical Data

Five Year Dustproofing Warranty

DAY-CHEM TUF SEAL™ (J-35)

Chemical/Gasoline & Oil Resistant Sealer

PRODUCT DESCRIPTION:

Day-Chem Tuf Seal is a scientifically formulated clear, non-yellowing coating comprised of methyl methacrylate polymers. It dries to a durable, high gloss, chemically resistant finish that not only protects, but also beautifies your floors and walls.

Tuf Seal is designed to provide maximum protection from deterioration caused by acids, alkali, salt, aliphatic solvents, cleaners, gasoline, etc. Laboratory testing has shown it to be completely unaffected by 48 hours of immersion in high test gasoline. In addition, testing illustrates excellent resistance to chemicals, oils, greases, urine and weathering.

Tuf Seal is a breathable film which allows moisture that is trapped in the substrate to escape before any freeze-thaw damage is done.

PURPOSE:

Day-Chem Tuf Seal will not only provide improved chemical and gasoline/oil resistance, but it will also prevent dusting, spalling and inhibit efflorescence. Clean-up time is reduced and simplified since dirt, grease, oil and chemicals that normally soak into the concrete are easily removed from the coating.

Tuf Seal not only offers protection for concrete surfaces, but it can also protect and beautify exposed aggregate, stamped concrete, stone and masonry surfaces.

Tuf Seal is an ideal application for factories, refineries, warehouses, schools, hospitals, shopping malls, service stations, parking lots, plazas, garages, and other areas where maximum concrete and masonry protection is desired.

ADVANTAGES:

- Excellent Chemical Resistance
- High Gloss Finish
- Easy to Recoat - No Extensive Surface Preparations

- Resists Gasoline, Grease, Oil, Aliphatic Solvents, Acids, Alkali
- Five Year Dustproofing Warranty Available for Floors, Contact Dayton Superior
- Non-Yellowing, Clear Coating
- Interior/Exterior
- Reduces Maintenance and Clean-Up Time
- Excellent Protection Against the Weather and Ultraviolet Radiation
- USDA Approved For Incidental Food Contact

APPLICATION INSTRUCTIONS:

Surface Preparation:

Surfaces should be clean and free of oil, grease, dirt, paint and resin curing compounds. Due to compatibility of the Dayton Superior curing compound Day-Chem Sil-Cure (J-13) with Tuf Seal, the Day-Chem Sil-Cure does not have to be removed prior to the application of Tuf Seal.

If the surface is dirty, it should be cleaned with Citrus Peel (J-48) and thoroughly rinsed. On dense or extremely dirty concrete floors, the surface should be cleaned with water blasting (2000 psi (14 MPa) minimum) or shot blasted to ensure proper adhesion.

Application:

Application methods include low pressure spraying, roller, brush, or lambswool applicator. Apply uniformly without puddles. On smaller projects Dayton Superior recommends rolling the material. Two coats are recommended, allowing the first coat to dry before applying the second coat. Additional coats generally result in a higher gloss and a more durable finish.

Do not apply in temperatures below 40° F. (4°C.) and do not apply Tuf Seal outside, if rain is expected within four hours.

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APPROXIMATE COVERAGE:

Rough, Porous Surfaces:

First.....200-250 sq. ft./gal. (4.9-6.1 m²/L)

Second Coat.....300-350 sq. ft./gal. (7.4-8.6 m²/L)

Smooth, Dense Surfaces:

First Coat.....250-300 sq. ft./gal. (6.1-7.4 m²/L)

Second Coat350-400 sq. ft./gal. (8.6-9.8 m²/L)

Film thickness is 1 mil at 200 sq. ft./gal. (.0025 cm at 4.9 m²/L)

Texture and absorption of surface will influence final coverage.

DRYING TIME:

Approximately 2 hours at 70°F. (21°C.) for light traffic or recoating. Wait until a coat is tack free before applying a subsequent coat. Wait 12 hours for heavy traffic.

PACKAGING:

1 gal. units (3.8 L) 4 per case, 5 gal. pails (18.9 L) and 55 gal. drums (208 L).

CLEANUP:

For tools and equipment use xylol or lacquer thinner.

LIMITATIONS:

Sprayers and equipment should have neoprene or viton type hose and gaskets. Do not apply at temperatures below 40° F. (4°C) or when the average daily temperature remains below 40°F. (4°C.).

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

Warranty, Warranty Disclaimer and Exclusive Remedy - Dayton Superior Chemical Division 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 ("the Company"), the product is free of manufacturing defects and conforms to ("the Company's") published specifications in force on the date of acceptance by ("the Company") of the order. ("the Company") shall only be liable under this warranty if the material has been applied, used, and stored in accordance with ("the Company") instructions in this technical data sheet.

The purchaser must examine the product when received and promptly notify ("the Company") in writing of any non-conformity before the product is used, or no later than 30 days after such non-conformity is first discovered. If ("the Company"), 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 ("Company") officer is authorized to modify this warranty. The sales information on the ("the Company's") website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, 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 Superior Chemical Division 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, this Agreement, even if ("the Company") 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 agreement, and also that such limitations shall survive the determination of any cou

Will interfere with the adhesion of sealants, thus avoid spraying Day-Chem Tuf Seal into a joint prior to installation of sealant. Day-Chem Tuf Seal will not resist brake or hydraulic fluids. Not for use under resinous (epoxy, polyester, urethane, etc.) coatings. For applications in an enclosed structure, consider using a waterbased product like Dayton Superior's Day-Chem Poxo Plus (J-36).

WARNING:

Flammable mixture - contains xylene. Use protective clothing and gloves. Provide proper ventilation during application. After installation, thoroughly ventilate inside area removing all solvent odors before placing into service. Causes irritation of skin and eyes. Refer to Material Safety Data Sheet for additional information.

MAINTENANCE:

To prolong the life of the coating, regular sweeping and washing of the floor is suggested. Wipe up chemical spills as soon as possible. Where worn away by abrasion or traffic, recoat after surface is cleaned.

TECHNICAL SERVICES:

Call the technical staff for assistance at:

1-866-329-8724

1-913-233-1750

or

Fax: 1-913-279-4806

Visit the website at:

www.daytonsuperiorchemical.com

Also, Dayton Superior coast-to-coast network of distributors and dealers are well informed on capability and application procedures.

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