



DEVFLOOR® 525

100% Solids Epoxy Resurfacer

Cat. # 525B0020/525C0903

PRODUCT DESCRIPTION

Generic: 100% Solids Epoxy

General Description: An economical, two component, 100% solids, epoxy resurfacer for thin coat application. Can also be used as a binder for a pigmented slurry/broadcast system. Applied as a clear or pigmented using DEVFLOOR 571 Epoxy Color Additives.

Typical Uses: Designed for economical base coat application from 5 to 15 mils on concrete floors subjected to abrasion and/or chemical spills. Provides an economical binder for slurry type applications.

Special Qualifications: See Chemical Resistance Guide

SPECIFICATION DATA

Color: Clear, other colors available with use of DEVFLOOR 571 Epoxy Color Additives

Finish: Gloss

Clean Up Solvent: Xylene or T-5 Thinner

Weight /Gallon: 8.7 lbs./gal.

VOC (EPA 24): 10 g/l (Clear)

Solids By Volume (ASTM D 2697-7 days): 100%

Spread Rate: 107-321 sq. ft./gal.

Recommended Film Thickness: 5-15 mils dry - 5-15 mils wet

Systems: Please consult the appropriate system guide, the particular job specification or your ICI Paints Representative for proper systems using this product. Systems must be selected considering the particular environment involved.

Mixing Method: Low speed with "jiffy" mixer Maintain Base and Converter below 80 degrees F and under no circumstances mix these products above this temperature.

Application Method: Flat squeegee, 3/8" nap roller and porcupine roller.

Thinner: DO NOT THIN

Pot Life: 27 minutes @ 75°F (23°C) & 50% RH

Cure Rate (@ 75°F (23°C) & 50% RH):

10 hrs.- Foot traffic

24 hrs.- Light traffic

72 hrs.- Heavy traffic and/or chemical spillage

Recoat Time (@ 75°F (23°C) & 50% RH):

From 10 to 24 hours.

After 24 hours, screen before recoating.

Ventilation, film thickness, humidity, thinning and other factors can influence the rate of dry.

Warning: The above table provides general guidelines only. Always consult your ICI Paints Representative for appropriate recoat windows since the maximum aged recoat time of this product may be significantly shortened or lengthened by a variety of conditions, including, but not limited to humidity, surface temperature, and the use of additives or thinners. The use of accelerators or force curing may shorten the aged recoat of individual coatings. The above recoat windows may not apply if recoating with a product other than those listed above. If the maximum aged recoat window is exceeded, please consult your ICI Paints Representative for appropriate recommendations to enhance adhesion. Failure to observe these precautions may result in intercoat delamination.

Shelf Life: 2 years in unopened container

FEATURES

Advantages:

- 100% solids system - low odor
- Economical resurfacer
- Easy application
- Good chemical and abrasion resistance
- Wide range of colors with DEVFLOOR 571 Epoxy Color Additives

PERFORMANCE DATA

PROPERTY	TEST METHOD	RESULTS
Hardness (Shore D)	ASTM D-2240	80-84
Impact Resistance	ASTM D-2794	160 in-lbs.
Flammability	ASTM D-635	Film is Self Extinguishing
Slip Resistance	Equivalent to ASTM D-2047	Passes
Abrasion Resistance	Taber Abraser CS-17 wheel, 1000 cycles, 1000 gm load	65-70 mg loss
Tensile Strength	ASTM D-638	6400 psi
Compressive Strength	ASTM D-695	10,400 psi

Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page. DSF1-0690

FINISHES
SPECIAL COATINGS (9800)

DEVOE COATINGS



DEVOE COATINGS

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SPECIAL COATINGS (9800)

GENERAL SURFACE PREPARATION

All surfaces must be sound, dry, clean, free of oil, grease, dirt, mildew, curing compounds, loose and flaking paint and other foreign substances.

WARNING! If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.

Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

Consult Surface Preparation Guide Supplement for further surface preparation information.

DIRECTIONS FOR USE

Mixing: Important! Coating has a limited pot life of approximately 27 Minutes @ 75°F (23°C) and 50% R.H. Ensure surface is prepared and ready for immediate application, and all components and additives are ready for mixing.

Note: Do not mix less than full batch quantities.

Color Additives: If color is desired, the appropriate DEVFLOOR® 571 Epoxy Color Additive is added to the "Clear" Part "B" Base at the specified rate. Refer to the DEVFLOOR 571 Epoxy Color Additives data sheet for specific ratios. Mix at low speed for a minimum of two minutes.

1. The Part "B" Base must be thoroughly mixed prior to the addition of Part "C" Converter.
2. Carefully empty the contents of the Part "C" Converter entirely into the can of Part "B" Base. The Part "B" container is oversized to allow for easy mixing.
3. Mix with a very low speed jiffy mixer, until completely blended. This will take about 3 to 5 minutes. Be careful not to introduce any air bubbles while mixing.
4. Due to the difference in viscosity between the Part "C" Converter and Part "B" Base, care must be taken to ensure that both components are thoroughly mixed in order to avoid weak or partially cured spots in the coating.
5. Since this product does not need any induction time, it should be used immediately after mixing.

Application:

1. This product should be applied by first pouring a bead of material in the form of a ribbon on the surface to be coated. The material should not be left in the container long because it will set faster thus reducing the pot life.
2. Using a serrated squeegee, spread the bead of material at a rate of approximately 107-320 sq. ft. per gallon. Apply as evenly as possible, working from left to right, and then back.
3. Back roll using a high quality 18", 3/8" nap roller.
4. If needed, roll with a porcupine roller after 10 minutes to remove excess bubbles.

Note: This product is designed to be used as is and therefore thinning or reducing with solvents is not recommended. Also do not mix less than full batch quantities.

Pot Life: The pot life on this product is approximately 27 minutes at 75°F (23°C) and 50% R.H. High temperature and high humidity will accelerate curing and reduce pot life. Since this is not a solvent based system the pot life is relatively short. Do not mix more kits of material than can be used within this period of time.

Recommended for use by Professional Flooring/Floor Coating Applicators only.

PRECAUTIONS

WARNING! CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD - CAN ENTER LUNGS AND CAUSE DAMAGE. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE: Products in this series contain solvents. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For emergency information call (800) 545-2643. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information.** If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush immediately with large amounts of water, for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help. **KEEP FROM FREEZING.**

DS347-1003

SHIPPING

Flash Point: 256°F (124°C)
Packaging: 3 gallon kit (11.36 L) 15 gallon kit (56.77 L)
 2 gallon base 10 gallon base
 1 gallon converter 5 gallon converter

Shipping Weight: 3 gallon kit - 35 lbs. (15.9 kg)
 15 gallon kit - 155 lbs. (70.4 kg)

525 (05/07)
 Ad Stock #67055B



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