Primer 67SD

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	High solids, moisture-tolerant, static dissipative epoxy primer
Description	A high solids static dissipative epoxy primer for concrete. It is used as part of static dissipative flooring system, intended to dissipate stray electrical current by running excess current to ground. It increases adhesion and reduces the potential for outgassing on concrete substrates.
Features	• Tolerant to moisture vapor transmission (<5 lbs per 1000 ft^2 / <24.4 g/m^2) • Meets most VOC Requirements • Low Odor • User Friendly
Typical Uses	• Semi-conductor facilities • Electrical vehicle battery plants • Food processing floors • Laboratories • Pharmaceutical plants • Wastewater treatment facilities • Aisleways • Hangers
Color	Black (0900)
Dry Film Thickness	3 - 4 mils (76 - 102 microns) per coat
Solids Content	By Volume 93%
Theoretical Coverage Rate	1492 ft^2/gal at 1.0 mils (36.6 m^2/l at 25 microns) 497 ft^2/gal at 3.0 mils (12.2 m^2/l at 75 microns) 373 ft^2/gal at 4.0 mils (9.2 m^2/l at 100 microns) Allow for loss in mixing and application.
VOC Values	**As Supplied** : 40 g/L
Topcoats	Polymer Alloy 2000SD

SUBSTRATES & SURFACE PREPARATION

General	With all epoxies after priming and before each additional coat, examine the surface for amine blush (oily film). If present, remove by washing with warm water and detergent.
Concrete	Refer to System Information Sheet or product data sheet of the topcoat where Primer 67SD is being used for concrete surface preparation requirements.

PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Adhesion to Concrete (ASTM D4541)	Cohesive Failure of concrete
Electrical Properties (NFPA #99, ASTM F150)	10^6-10^9 ohms
Tensile Elongation (ASTM C307)	15-25%
Tensile Strength (ASTM C307)	2,000 - 2,500 PSI (15.2-17.2 MPa)

MIXING & THINNING

Mixing

Add the correct amount of Part B to Part A and mix for approximately 1 minute. Scrape the sides and the bottom of the container and mix thoroughly to a uniform consistency.

Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.

Thinning

DO NOT THIN

Ratio

3.2:1 by volume (A:B)

Pot Life

The pot life will depend on the temperature. To prevent material waste and avoid damage to equipment, do not mix more material than can be used according to the following:
90 minutes @ 50ºF (10ºC)
60 minutes @ 75ºF (24ºC)
30 minutes @ 90ºF (32ºC)

Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.

APPLICATION PROCEDURES

General

Prime all surfaces to be coated at 3-4 mils (76-102 microns). **Do not allow the primer to puddle.** At stated minimum recoat times, primer may still be tacky. To optimize intercoat adhesion, it is recommended to apply the basecoat over primer that is tacky. If this is not possible, adhere to maximum recoat times referenced in the curing schedule.

To insure surface resistivity properties, the components must be applied within 30 days of product manufacture. Please refer to storage instructions.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	60°F (16°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	80°F (27°C)	110°F (43°C)	110°F (43°C)	90%

Substrate temperature must be 5ºF (3ºC) above dew point.

CURING SCHEDULE

Surface Temp.	Minimum Recoat Time	Maximum Recoat Time
50°F (10°C)	10 Hours	72 Hours
75°F (24°C)	5 Hours	48 Hours
90°F (32°C)	3 Hours	24 Hours

Application in direct sunlight may lead to blistering, pinholes, or wrinkling due to outgassing of air in the concrete and high substrate temperatures. Double priming, shading, or evening application may be required.
To optimize intercoat adhesion, the above recoat times must be observed. Exposure of the primer to direct sunlight will considerably shorten the recoat times. If recommended recoat times are exceeded, consult a Dudick Representative; sanding or abrasive blasting may be required before the coating or floor topping can be applied.

TESTING / CERTIFICATION / LISTING

General	Dudick flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation to meet static coefficient of friction requirements for ANSI B101.1 of >0.6 and dynamic coefficient of friction (DCOF)* – Wet ANSI A326.3 of >0.42.

CLEANUP & SAFETY

Cleanup	Use S-10 Cleaning Solvent or Carboline Thinner 2 to clean tools and equipment.
Safety	Read and follow all caution statements on this product data sheet and on the SDS. Employ normal safety precautions. Keep container closed when not in use.
Ventilation	Ventilation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. Use MSHA/NIOSH approved air respirators as needed.
Caution	Fire and explosion hazards: This product contains less than 1% volatile components, however, vapors are heavier than air and can travel long distances, ignite and flash back. Eliminate all Ignitions sources. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workers should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

PACKAGING, HANDLING & STORAGE

Packaging	**1 Gallon Kits:** Part A: 0.76 Gallons (in a 1 gal can) Part B: 0.24 Gallons (in a 1 gal can) — **5 Gallon Kits:** Part A: 3.8 Gallons (in a 5 gal pail) Part B: 1.2 Gallon (in a 3.5 gal pail)
Shelf Life	30 days when stored in their original, unopened containers at 50°F-75°F (10°C-24°C). Exposure to excessive heat may cause premature gelling, reduce working time and shelf life.
Storage	All products should be stored in a cool, dry area away from open flames, sparks or other hazards. ***Warning:*** All Dudick, Inc. products classified by DOT with either white, yellow or red labels, must not be mixed or stored together as an explosive reaction can occur.
Shipping Weight (Approximate)	5 Gallon Kit: 50.86 lbs (23.08 kg) 1 Gallon Kit: 11 lbs (4.99 kg)

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.