

SELECTION & SPECIFICATION DATA

Generic Type	Epoxy primer
Description	A high solids epoxy primer for concrete. Designed to increase adhesion and reduce the potential for outgassing in high performance flooring or containment systems.
Features	<ul style="list-style-type: none"> • Meets most VOC Requirements • Low Odor • User Friendly • Tolerant to moisture vapor transmission (< 5 lbs per 1000 sq.ft.)
Typical Uses	Penetrating primer for epoxy and urethane systems for concrete and other porous substrates.
Color	Clear
Dry Film Thickness	3 - 4 mils (76 - 102 microns) per coat
Solids Content	By Volume 85%
Theoretical Coverage Rate	1363 ft ² /gal at 1.0 mils (33.5 m ² /l at 25 microns) 454 ft ² /gal at 3.0 mils (11.2 m ² /l at 75 microns) 341 ft ² /gal at 4.0 mils (8.4 m ² /l at 100 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 120 g/L
Topcoats	Topcoat selection will depend on exposure. Contact Dudick for recommendations.

SUBSTRATES & SURFACE PREPARATION

Concrete	<p>Concrete shall be designed, placed, cured, and prepared per NACE No. 6/SSPC-SP 13, latest edition. Abrade to remove all laitance, loose concrete, etc. and to create surface profile in accordance with ICRI CSP 2 or greater.</p> <p>The prepared surface should have a tensile strength of 250 PSI per ASTM D-7234. All concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D-4263. If moisture is present the use of Vapor Stop Primer may be required. Consult your Dudick representative for further information about moisture vapor transmission or specific profile requirements which are dependent on the selected topcoat.</p>
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PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Adhesion to Concrete ASTM D-7234	Cohesive Failure of concrete
Tensile Elongation ASTM C-307	20-25%
Tensile Strength ASTM C-307	2,000 - 2,500 PSI (13.8-17.2 MPa)

MIXING & THINNING

Mixing	Premix component b, then pour into to component A. Mix with slow speed drill and helical spinner, taking care not to entrain air.
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Steri-Prime

PRODUCT DATA SHEET



MIXING & THINNING

Thinning | DO NOT THIN

Ratio | 1:1, by volume

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 @ 50°F (10°C)

60 minutes @ 75°F (24°C)

30 minutes @ 90°F (32°C)

At 75°F (24°C) the pot life will be shortened by the addition of Accelerator #1 as follows: Ozs./ Accelerator #1 per mixed gallon of Steri-Prime:

36 minutes with 3-4 oz

15 minutes with 6-7 oz

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

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

General | brush, roller or squeegee.

Brush & Roller (General)

Use a short-nap mohair roller cover with solvent resistant core. For best results, condition roller before application to minimize lint or loose fibers. A high quality solvent resistant brush may be used for hard to reach areas.

APPLICATION PROCEDURES

General

Prime all surfaces to be coated at 3-4 mils. Do not allow the primer to puddle.

At stated minimum recoat times, primer may still be tacky. To optimize inter-coat 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.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	20%
Maximum	90°F (32°C)	110°F (43°C)	110°F (43°C)	90%
Optimum	75°F (24°C)	75°F (24°C)	75°F (24°C)	50%

The substrate temperature must remain at least 5 °F (3 °C) above the dew point during application and curing. **Temperatures should not fall below 50 °F (4.4 °C) in the 24 hours after application.**

CURING SCHEDULE

Surface Temp.	Minimum Recoat Time	Maximum Recoat Time
50°F (10°C)	4 Hours	5 Days
75°F (24°C)	2 Hours	3 Days
90°F (32°C)	1 Hour	1 Day

- To optimize intercoat adhesion Steri-Prime may be top coated once it is dry enough to be tacky but does not transfer when touched.
- When using as a primer for coving material the coving should be applied into wet or tacky primer or, if they are to be applied onto a tack free primer, a sand broadcast should be applied to ensure the mortar does not slip during application.
- 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.
- Exposure of the primer to direct sunlight or heat will considerably shorten the recoat times.
- If recommended recoat times are exceeded, sanding or abrasive blasting may be required before further coats 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.
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CLEANUP & SAFETY

Cleanup	Use S-10 Cleaning Solvent, MEK, or Acetone 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.

PACKAGING, HANDLING & STORAGE

Packaging	1 Gallon Kit: Part A - .5 gal (1.89 liters) Part B - .5 gal (1.89 liters) 5 Gallon Kit: Part A - 2.5 gal (9.46 liters) Part B - 2.5 gal (9.46 liters)
Shelf Life	6 months @ 50-75°F (10°C-24°C) When stored in their original, unopened containers. 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)	1 Gallon Kit: 14.6 lbs (6.6 kg) 5 Gallon Kit: 49.4 lbs (22.4 kg)

Steri-Prime

PRODUCT DATA SHEET



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 to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Carboline warrants our products to be free of manufacturing defects in accord with applicable Carboline quality control procedures. THIS WARRANTY IS NOT VALID WHEN THE PRODUCT IS NOT: (1) APPLIED IN ACCORDANCE WITH CARBOLINE'S SPECIFICATIONS, AND/OR (2) PROPERLY STORED, CURED, AND USED UNDER NORMAL OPERATING CONDITIONS. Carboline assumes no responsibility for coverage, performance, injuries, or damages resulting from use of the product. If this product is found not to perform as specified upon inspection by a Carboline representative during the warranty period, Carboline's sole obligation, if any, is to replace the Carboline product(s) proven to be defective or refund the purchase price thereof, at Carboline's sole option. Carboline shall not be liable for any other losses or damages. This warranty excludes (1) labor and costs of labor for the application or removal of any product, and (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. 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. The whole text of this Product Data Sheet, as well as the documents derived from it, have been written in English, and for legal purposes the English version shall prevail.