



General Primer

DS-622.6-0524

**Globally Proven
Construction Solutions**



- Retail spaces
- Manufacturing plants
- Food & Beverage manufacturing
- Stadium & event spaces
- Pharmaceutical & research facilities
- Laboratories & clean rooms
- Commercial/Institutional kitchens

Advantages

- Deep penetrating primer
- Promotes strong substrate and intercoat adhesion
- Helps eliminate outgassing in subsequent coats
- Easy to mix and apply
- Low VOC; complies with SCAQMD VOC requirements
- Direct replacement for NXT Epoxy Primer

Suitable Substrates (Interior Use Only)

- Concrete
- CMU
- Steel
- Tile
- Cement Backer Board
- SPARTACOTE Epoxy Floor Systems

Packaging

General Primer is mixed at 2A:1B by volume.
 3.3 gal (12.5L) in a 6 gal (22.7L) pail
 1.7 gal (6.4L) in a 3.5 gal (13.2L) pail

Approximate Coverage

WFT	DFT	Coverage (Standard)	Coverage (Porous)
4.0 mils (0.10 mm)	3.7 mils (0.09 mm)	401 ft ² /gal (9.8 m ² /L)	300 ft ² /gal (7.4 m ² /L)
5.0 mils (0.12 mm)	4.6 mils (0.12 mm)	321 ft ² /gal (7.9 m ² /L)	240 ft ² /gal (5.9 m ² /L)
6.0 mils (0.15 mm)	5.5 mils (0.14 mm)	267 ft ² /gal (6.6 m ² /L)	200 ft ² /gal (4.9 m ² /L)

WFT = Wet Film Thickness

DFT = Dry Film Thickness

Coverage values are approximate and will vary based on surface condition, preparation methods and application

1. PRODUCT NAME

General Primer

2. MANUFACTURER

LATICRETE International, Inc.

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Bethany, CT 06524-3423 USA

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Website: laticrete.com

3. PRODUCT DESCRIPTION

General Primer is a deep penetrating, low VOC, epoxy primer for use over cement, CMU and other substrates. When combined with proper surface prep, it creates a strong base for SPARTACOTE epoxy and urethane systems by promoting strong substrate and intercoat adhesion while helping to eliminate common issues such as outgassing. Can also be used as a primer for NXT traffic bearing overlays with a sand broadcast.

Note 1: Not recommended for use as a primer direct to polyaspartic coatings.

Note 2: Product was formerly referred to as SPARTACOTE® General Primer

Uses

- Healthcare facilities
- Educational facilities
- Single & multi-family residential

technique. Very porous substrates will significantly decrease coverage and may require a second application.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years.

Limitations

- Product is not intended for use as a wear surface.
- Substrate temperature must be between 50°F (10°C) and 90°F (32°C)
- Ambient relative humidity must not exceed 90%
- Substrate temperature must be 5°F (3°C) above dew point
- Product is not UV Stable and intended for interior applications only

Cautions

- FOR PROFESSIONAL USE ONLY
- Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use. Application guides are available at www.laticrete.com.
- Wear protective gloves, protective clothing and eye protection.
- Causes skin irritation. May cause an allergic skin reaction. If skin irritation or rash occurs: get medical advice/attention.
- Causes serious eye damage. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
- If swallowed: Rinse mouth do not induce vomiting. Call a physician immediately.
- Keep out of reach of children.

4. TECHNICAL DATA

VOC/LEED Product Information

78 g/L (as intended for use)

Physical Properties

Property	Test Method	Result
Adhesion	ASTM D7234	>300 psi (>2.1 MPa) Substrate Failure
Tensile Strength	ASTM D2370	4,000 psi (27.6 MPa)
Shore D Hardness	ASTM D2240	65

Working Properties

Property	Value
% solids	92%
Mix Ratio	2A:1B by volume
Working Time	60 minutes
Minimum Re-Coat Time	6 hours
Maximum Re-Coat Time	5 days

Working properties based on 75°F (24°C) and 50% RH. Changes in ambient conditions may cause times to vary.

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Surface Preparation - Concrete

Surfaces to be coated must be free of grease and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application. Any repairs must be addressed prior to application and should be repaired in accordance with ICRI standards.

Concrete must be mechanically profiled to an ICRI CSP-3 to 5. Ensure that all surface laitance is removed prior to coating. The prepared surface should have a tensile pull-off strength of 200 psi (1.4 MPa) or greater when tested in accordance with ASTM C1583. If wet grinding, allow surface to fully dry prior to coating.

Concrete must be tested for relative humidity (RH) prior to installation of any coatings. The RH of the slab must not exceed 75% as tested per ASTM F2170 or >3lbs/1000sqft/24hr per ASTM F1869. If moisture in the slab exceeds these limits, the use VAPOR BAN™ ER or VAPOR BAN E is required.

After priming, SPARTACOTE Epoxy Fill Coat may be applied (see technical data sheet DS 623.3 for application instructions) to fill any substrate defects (voids, bugholes, divots, etc.) that may have been exposed during surface preparation.

Surface Preparation - Over existing tile with SPARTACOTE

Refer to TDS 450: Installation Guideline for Installing SPARTACOTE over Existing Tiled Surfaces

Mixing

General Primer is mixed at a ratio of 2A:1B by volume.

Prior to mixing, stir individual components to disperse any materials that may have settled.

Combine 2 Parts B to 1 Part A. Mix for 2-3 minutes with a slow speed drill until a uniform consistency and

appearance is achieved. Immediately after mixing apply product to properly prepared substrate.

Application - SPARTACOTE Coatings:

General Primer may be applied by brush, roller and/or notched squeegee. Suggested application thickness is 4 to 6 mils (0.1 to 0.15 mm) or a spread rate of 267 to 401 sqft/gal for standard concrete or 200 to 300 sqft/gal for porous concrete. Spread primer evenly over all prepared surfaces. Do not allow the primer to puddle.

General Primer may be recoated once the primer is tacky but no longer transfers to a gloved hand, 6 hours minimum. To optimize inter-coat adhesion, stated 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 LATICRETE Technical Service Representative; sanding or abrasive blasting may be required.

General Primer is not recommended for use as a primer direct to polyaspartic coatings.

With all epoxies after priming and before each additional coat, examine the surface for amine blush (oily film). If present, remove by cleaning the surface with acetone.

Notes

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the coating system.

Variability in job site conditions (including but not limited to surface preparation, sunlight, humidity, dew point, temperature, etc.) during application of SPARTACOTE products may lead to fisheyes, blistering, pinholes, wrinkling, or outgassing of air in the concrete and are not product defects. Double priming, shading or evening application may be required.

Application - NXT Traffic Bearing Overlays:

General Primer may be applied by brush, roller and/or notched squeegee. Suggested application thickness is 6 mils (0.15 mm) or a spread rate of 267 sqft/gal for standard concrete or 200 sqft/gal for porous concrete. Spread primer evenly over all prepared surfaces. Do not allow the primer to puddle.

Apply Epoxy by pouring ribbons onto the prepared concrete and spread using appropriate round or square notch squeegee, or a SPARTACOTE Coating Broom that is designed to apply the desired mil thickness in a single coat. Apply an even coat making sure to cover all areas thoroughly. Immediately following, while epoxy is still wet, use a high quality 3/8" (9 mm) nap non-shedding paint roller to back-roll at 90° from the squeegee direction to help ensure full coverage and uniform thickness.

Working in small sections immediately broadcast clean, dry play sand (00 sand grain size: less than 1/50" or pass 98.5% sieve size #35) into the wet, freshly applied epoxy (approximately 0.5 - 1 lb. of sand per square foot) to the point of refusal completely covering the wet epoxy with sand. Continue this process maintaining a wet edge until entire area is covered. If epoxy dries prior to sand broadcast apply additional epoxy and immediately broadcast sand. Once sanded avoid walking on floor for a minimum 6 hours. Allow sanded epoxy to cure for a minimum of 8 hours then sweep and thoroughly vacuum until all loose sand and dust is completely removed from the surface. Any loose sand on the surface may appear in the finished decorative wear surface.

Storage

Store in a clean, dry environment out of direct sunlight between 40°F - 100°F (5°C - 38°C).

Cleaning

Use acetone or xylene to clean tools and equipment.

6. AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

- 1 Year Product Warranty (US) (English)

8. MAINTENANCE

The long term performance, appearance, and life expectancy of wear surface products are critically dependent upon a good routine maintenance program designed specifically for the installed wear surface. SPARTACOTE™ floor coating systems are nonporous, causing dirt and contaminants to remain on the surface. The use of properly placed walk-off mats, inside and outside, will help increase the life of the floor. Recommend maintenance program consist on frequent and through cleaning utilizing a neutral pH cleaner. Frequency of washing will vary depending on floor usage type, traffic and age. Please Refer to TDS 420 "SPARTACOTE Floor Maintenance Guide" available at www.laticrete.com for more information.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235
Telephone: +1.203.393.0010, ext. 1235
Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.com. The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty
- TDS 420: SPARTACOTE Floor Maintenance Guide
- DS 623.3: SPARTACOTE Epoxy Fill Coat
- DS 35216: VAPOR BAN ER
- DS 36647: VAPOR BAN E

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