



SPARTACOTE® FLEX SB™

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A product brand of LATICRETE International, Inc.



1. PRODUCT NAME
 SPARTACOTE® FLEX SB™

2. MANUFACTURER
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3. PRODUCT DESCRIPTION
 SPARTACOTE FLEX SB is a fast-curing two-part polyaspartic aliphatic polyurea sealer/finish coating for both decorative and protective applications. As an industrial maintenance coating, this material is self-priming and may be applied in single or multiple coats by brush, roller, broom, squeegee, or in varying thicknesses to a variety of substrates including concrete and metal. It can be applied over decorative concrete surfaces such as acid, color- or dye-stained concrete, as a pigmented high performance coating, or employed within seamless multi-build chip/quartz flooring systems.

SPARTACOTE FLEX SB provides excellent impact, abrasion, and chemical resistance characteristics, with flexible properties. Suitable for high traffic interior or exterior applications, the material is ideal for clear topcoat sealer applications over decorative concrete, walkways, commercial applications, industrial facilities, and garage floors.

- Advantages**
- Excellent penetration & bond strength
 - Self-Priming
 - Excellent abrasion, impact & wear resistance
 - UV-Resistant; retains optical clarity of clear sealer/finish
 - Short re-coat time: 1-2 hours
 - Low temperature cure (-30°F/-34°C)
 - Excellent chemical & stain resistance, resistant to Skydrol®
 - Resistant to hot-tire pickup
 - Micro-Media agents can be introduced as traction additives
 - Low VOC
 - Tolerant to 300°F (149°C) for random, incidental heat contact
 - Meets USDA/CFR, U.S. Food Code, physical facilities criteria as outlined in 6.100.11 Surface Characteristics USDA acceptable.

Packaging
2 gal (7.6 L) Clear and Low Gloss Kits:
 Part A: 1 gal (3.8 L)
 Part B: 1 gal (3.8 L)

Clear Units:
 Part A: 5 gal (18.9 L) pail
 Part B: 5 gal (18.9 L) pail

2 gal (7.6 L) Pigment Base Kits:
 Part A: Short Filled 0.75 gal (2.8 L) in 1 gal (3.8 L) pail
 Part B: 1 gal (3.8 L)

Pigment Base Units:
 Part A: Short Filled 3.75 gal (14.2 L) in a 5 gal (18.9 L) pail
 Part B: 5 gal (18.9 L)

Approximate Coverage
 Coverage rates may vary greatly depending on substrate porosity. Coverage rates are contingent on solids content. Consult appropriate application guide system thickness and coating application.

Dry Film Thickness Mils (mm)	Sq. Ft. Per Coat/Gallon (m ² /L) SPARTACOTE® FLEX SB™ Low Gloss	Sq. Ft. Per Coat/Gallon (m ² /L) SPARTACOTE FLEX SB
3 (0.076)	347 (8.5)	385 (9.4)
4 (0.1)	260 (6.4)	289 (7.1)
5 (0.13)	208 (4.9)	231 (5.7)
6 (0.15)	173 (4.2)	192 (4.7)
7 (0.18)	155 (14.4)	164 (15.2)
8 (0.21)	130 (3.2)	145 (3.6)

Shelf Life

12 months unopened. Store at 40°F to 100°F (4°-38°C) in a covered area (out of the sun)

Colors

SPARTACOTE FLEX SB is available in 2-levels of sheen for clear sealers/finish topcoats (Gloss, Low Gloss) as well as a wide range of colors. Refer to SPARTACOTE FLEX SB Color Chart for standard color selections.

Limitations

- Not intended for use over countertops

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 depending on the dye system employed are available at www.spartacote.com.
- Polyaspartic aliphatic polyurea products contain chemical ingredients that are considered hazardous. Read the container label warning and SDS prior to use.
- Wear safety eye protection and gloves when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 Minutes, if symptoms persist seek medical attention.
- Tape color transition lines firmly to reduce dye “bleed” under taped line.
- Material should be kept in a cool dry place prior to application
- Product is combustible. Keep away from open flames and apply in well ventilated area.
- Do not use alcohol at any point during application of the system.

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 decorative flooring system.

4. TECHNICAL DATA

Applicable Standards and Test Methods

ASTM D638, ASTM D522, ASTM D968

Physical & Working Properties

Physical Properties	
Pot Life	20 to 25 Minutes
Mixing Ratio	1.0 Part A; 1.0 Part B by Volume
Tensile Strength	4500 to 5000psi (31 to 34.5 MPa)
Impact Resistance	Direct/Reverse 160/160
Sand Abrasion	38 Liters Sand/1 Dry mil (Pigmented)

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

5. INSTALLATION

Surface Preparation

Always mechanically prepare (profile) surface. An open, porous surface is necessary for proper bonding. The surface must be deemed structurally and mechanically sound, clean, and dry. Proper surface preparation is required for decorative-concrete, thin-film “Class-A-type” flooring systems or sealer/finish coatings. This is best achieved with mechanical grinding machines using diamond heads achieving a final 30 to 100-grit profile. Recommended surface profile is a CSP-2, Reference ICRI Technical Guideline No. 03732. Surfaces to be coated must be free of previous coatings, sealers, grease and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application. Do not use Alcohol to clean or tack substrate or previous coat prior to application. Any repairs must be addressed prior to application and should be repaired in accordance with ICRI standards. Moisture emission testing is necessary to assess the moisture drive of a concrete slab prior to installation of any toppings or coatings. The maximum amount of moisture in the concrete/mortar bed substrate should not exceed 3 lbs/1,000 ft² (170 µg/s• m²)/24 hrs per ASTM F-1869 or 75% relative humidity as measured with moisture probes. If there is a moisture emission situation in excess of the above rate, use DRYTEK™ Moisture Vapor Barrier. The application process will depend on the system being installed, reference appropriate specification for details.

Mixing

Note: Maintaining a consistent storage temperature prior to application will maximize working time. Material should be kept in a cool dry place prior to application.

Pigmented Coatings

Add full contents of SPARTACOTE® Polyaspartic Pigment directly into short filled SPARTACOTE FLEX SB Part A Base. Mix pigment with a slow speed drill mixer for 2 minutes to fully disperse the pigments. Failure to properly mix pigments may lead to an inconsistent finish and reduced product performance.

Mixing Part A with Part B

Mix part A and part B in equal parts (1:1) using a clean, dry working vessel. Stir gently with a wooden stir stick, avoid over-mixing or creating a vortex that would introduce air. Do not apply over wet services. No induction time is required prior to use. If micro-media agents (e.g. SPARTACOTE Traction Additive) are to be incorporated, they are to be added after thoroughly mixing A and B. Product may be thinned up to 10% with Xylene.

Application

SPARTACOTE FLEX SB may be applied by roller, squeegee or broom. **Please consult application guides for specifics. For roller applications, the roller must have an industrial grade phenolic resin core with a synthetic nap or lambs-wool cover. A 3/8” (10 mm) nap size is recommended. Small chip brushes may be used along the perimeter and in more difficult to reach areas. SPARTACOTE FLEX SB will typically be dry to the touch 1 to 2 hours after application, dependent on ambient temperature, slab temperature and humidity. Product may be re-coated at that time or when deemed appropriate by system specification. Foot traffic is generally acceptable after 2-4 hours with 24 hours minimum required for vehicular traffic.

6. AVAILABILITY AND COST

Availability

SPARTACOTE and 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

www.spartacote.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

DS 200.03: 3 Year Decorative Finish Warranty

8. MAINTENANCE

The long term performance, appearance, and life expectancy of wear surface products are critically dependence upon a good routine maintenance program designed specifically for the installed wear surface. SPARTACOTE® polyaspartic and epoxy 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 (e.g. Simple Green®). 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.spartacote.com for more information.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.866.966.1329

Fax: +1.203.393.1948

Technical and Safety Literature

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

10. FILING SYSTEM

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

DS 230.13: LATICRETE Product Warranty

DS 200.03: 3 Year Decorative Finish Warranty

DS 056.0: DRYTEK® Moisture Vapor Barrier

TDS 420: SPARTACOTE Floor Maintenance Guide

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