



SPARTACOTE™ FLEX PURE CLINICAL PLUS™

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A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

SPARTACOTE™ FLEX PURE CLINICAL PLUS™

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

SPARTACOTE FLEX PURE CLINICAL PLUS is a low VOC and minimal odor, fast curing, two part polyaspartic aliphatic polyurea sealer/finish coating for hospitals, veterinary clinics, and pharmaceutical facilities. The material is applied in a single or multiple coats by brush, roller, or squeegee at varying thicknesses to a variety of substrates. It can be applied as a top coat within seamless, multi-build chip/quartz coating systems. Important characteristics of SPARTACOTE FLEX PURE CLINICAL PLUS are its rapid-cure, its durable, seamless finish, and its antimicrobial properties. SPARTACOTE FLEX PURE CLINICAL PLUS is low VOC and does not emit strong solvent odors during installation.

SPARTACOTE FLEX PURE CLINICAL PLUS is equipped with a silver-ion based antimicrobial additive designed to protect the coating from degradation caused by microbial growth. SPARTACOTE FLEX PURE CLINICAL PLUS, unlike traditional coatings or surface treatments, remains active for the lifetime of the floor coating - even when damaged or worn. The material provides optimal impact, abrasion, and chemical resistance characteristics. SPARTACOTE FLEX PURE CLINICAL PLUS is available in all SPARTACOTE commercial, industrial and decorative flooring systems.

Suitable Applications

- Hospitals & Clinics
- Veterinary Facilities & Clinics
- Food & Beverage Processing
- Commercial & Institutional Kitchens
- Locker Rooms & Showers
- Medical Manufacturing
- Clean rooms & Research Laboratories
- Restrooms

Advantages

- Antimicrobial protection keeps the floor coating cleaner by inhibiting the growth of stain-causing bacteria on the floor coating.
- Walk-on in hours; 24-hour return to service
- Low VOC; low odor installation
- Excellent abrasion, impact & wear resistance
- UV-Resistant; retains optical clarity of clear sealer/finish
- Low temperature cure (25°F/-4°C)
- Excellent chemical & stain resistance, resistant to Skydrol®
- Micro-Media agents can be introduced as traction additives
- Tolerant to 300°F (149°C) for random, incidental heat contact
- Meets FDA/CFSAN U.S. Food Code physical facilities criteria as outlined in 6.100.11 Surface Characteristics USDA acceptable.

Packaging

Clear Units:

Part A: 5 gal (18.9 L) pail

Part B: 5 gal (18.9 L) pail

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

Dry Film Thickness: Mils (mm)	Sq. Ft. Per Coat/Gallon (m ² /L)
8 (0.2)	200 (4.9)
9 (0.23)	178 (4.4)
10 (0.25)	160 (3.9)

Shelf Life

12 months unopened. Store at 40°F to 75°F (4°-24°C) in a covered area (out of the sun). Material should be kept in a cool dry place prior to application.

Color

SPARTACOTE FLEX PURE CLINICAL PLUS is available in a clear gloss finish as well as all standard SPARTACOTE colors, including safety colors.

Limitations

- Not intended for use over countertops
- Please note that with all resinous coating systems, exterior full sun environments in warm climates may exhibit above average surface temperatures. This is especially true with darker finishes. As a result, resinous systems may not be ideally suited for exterior pool deck applications.

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 safety 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
- Maximum Re-coat time: 24 hours

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	15-20 Minutes
Mixing Ratio	1.0 Part A; 1.0 Part B by Volume
Tensile Strength	4500 to 5000 psi (31 - 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

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. A moisture emission measurement system is necessary to

assess the moisture drive of a concrete slab prior to installation of any toppings or coatings. The transmission rate must not exceed three pounds per 1,000 square feet per 24 hours. The relative humidity of the slab must not exceed 75% as tested per ASTM F2170 Relative Humidity in Concrete Slab test. 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. SPARTACOTE™ FLEX PURE CLINICAL PLUS™ may be used as a top-coat or applied direct to concrete. Concrete must be ground to an ICRI CSP-2 profile or the equivalent of 30-60-grit sandpaper. This profile is achieved with a surface grinder equipped with metal bond diamonds.

Mixing

Maintaining a consistent storage temperature prior to application will maximize working time.

Pigmented Coatings

Add full contents of SPARTACOTE Polyaspartic Pigment pack directly into short filled Part A Tint Base. Mix pigment into Part A with a slow speed drill mixer for 2 minutes to fully disperse the aspartic 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. Use a paddle mixer on slow speed for 2 minutes. Avoid over-mixing or creating a vortex that would introduce air. Do not mix below the dew point, which will shorten the pot life. 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.

Application

Suggested application thickness is 8 mils (0.2 mm) or 200 ft² (18.5 m²) per coat, per gallon. Contact SPARTACOTE directly for specifics on effective application techniques. Maximum application mil thickness in a single application is 10 mils (0.25 mm). Material will be dry to the touch 2-3 hours after application, dependent on ambient temperature, slab temperature and humidity. Product may be re-coated within 2-24 hours following application. Light foot traffic is acceptable 3 to 4 hours following application and vehicular traffic is acceptable 24 hours after application. If using as a top-coat over epoxy, it is critical that the epoxy not be let down with alcohol during installation or cleaned with alcohol prior to top-coating. Always apply over an epoxy coating within the epoxy manufacturer's recommended re-coat time.

Material is not intended for areas experiencing significant thermal shock on a continual basis. This includes but is not limited to: areas around commercial fryers or ovens, floors and walls that are hot pressure washed or steam cleaned on a regular basis, and areas surrounding drains where hot water comes into direct contact with the floor. Not Intended for Exterior Pool Decks within direct sunlight as surface will become quite warm.

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