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, low odor, fast-curing two-part polyaspartic aliphatic polyurea equipped with silver ion antimicrobial technology* which remains active for the lifetime of the floor coating, even when damaged or worn. Designed as a coating for use in hospitals, veterinary clinics, and pharmaceutical facilities, it can be used either as a clear sealer or a top coat in seamless multi-build systems including SPARTACOTE Guard, SPARTACOTE Chip SPARTACOTE Quartz and SPARTACOTE Metallic systems.

SPARTACOTE FLEX PURE Clinical Plus is UV stable and is suitable for both interior and exterior applications. It is available in either clear or pigment base units which can be tinted with SPARTACOTE Polyaspartic pigments. Available colors include: Black, Dark Blue, Tile Red, Bright Green, Light Grey, Medium Grey, Dark Grey, White, Light Beige, Sand Beige, Dark Beige, Light Brown, Safety Yellow and Safety Red. Not recommended for use with Dark Grey pigment. Custom colors are available upon request.

*Antimicrobial technology protects the treated article against mold and mildew deterioration. Antimicrobial technology is not designed to replace normal cleaning practices or protect users.

Uses
- Healthcare facilities
- Schools and educational facilities
- Food & beverage processing
- Commercial & institutional kitchens
- Bathrooms and locker rooms
- Veterinary facilities and dog kennels

Advantages
- Silver ion antimicrobial technology which inhibits the growth of bacteria that can cause product degradation, discoloration and odors.
- Walk-on in 3-4 hours; 24-hour return to service
- Low VOC; low odor installation
- Excellent abrasion, impact & wear resistance
- UV Stable; retains optical clarity of clear sealer/finish
- Low temperature cure (25°F/4°C)
- Micro-Media agents can be introduced as traction additives
- Excellent chemical & stain resistance, resistant to Skydrol®
- Tolerant to 300°F (149°C) for random, incidental heat contact
- USDA compliant (FDA/CFSAN U.S. Food Code 6.101.11 Surface Characteristics)

Suitable Substrates
- Concrete
- Steel
- Tile
- SPARTACOTE Polyaspartic Floor Systems
- SPARTACOTE Epoxy Floor Systems
- SPARTACOTE Urethane Cement Systems

Packaging
- 9380-0005-2 Part A Clear: 5 gal (18.9L) pail
- 9382-0005-2 Part A Pigment Base: 3.75 gal (14.2L) pail
- 9146-0005-2 Part B: 5 gal (18.9 L) pail
Approximate Coverage

<table>
<thead>
<tr>
<th>WFT</th>
<th>DFT</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 mils (0.15 mm)</td>
<td>5.6 mils (0.14 mm)</td>
<td>267 ft²/gal (6.6 m²/L)</td>
</tr>
<tr>
<td>7.0 mils (0.18 mm)</td>
<td>6.6 mils (0.17 mm)</td>
<td>229 ft²/gal (5.6 m²/L)</td>
</tr>
<tr>
<td>8.0 mils (0.20 mm)</td>
<td>7.5 mils (0.19 mm)</td>
<td>201 ft²/gal (4.9 m²/L)</td>
</tr>
<tr>
<td>9.0 mils (0.23 mm)</td>
<td>8.5 mils (0.21 mm)</td>
<td>178 ft²/gal (4.4 m²/L)</td>
</tr>
<tr>
<td>10.0 mils (0.25 mm)</td>
<td>9.4 mils (0.24 mm)</td>
<td>160 ft²/gal (3.9 m²/L)</td>
</tr>
</tbody>
</table>

WFT = Wet Film Thickness  
DFT = Dry Film Thickness

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

When using as a topcoat over chip or quartz broadcasts adjust estimates to account for additional required material.

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

Limitations
- Not intended for exterior pool decks within direct sunlight as surface will become quite warm.
- 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.

Cautions
- FOR PROFESSIONAL USE ONLY
- Wear protective gloves, protective clothing and eye protection.
- Harmful if inhaled. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.
- Causes skin irritation. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
- Causes serious eye irritation. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Keep out of reach of children.

4. TECHNICAL DATA
VOC/LEED Product Information
<100 g/L (as intended for use)

Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesion</td>
<td>ASTM D7234</td>
<td>&gt;300 psi (&gt;2.1 MPa) Substrate Failure</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D638</td>
<td>4,500-5,000 psi (31-34.5 MPa)</td>
</tr>
<tr>
<td>Impact Resistance (Direct / Reverse)</td>
<td>ASTM D522</td>
<td>160 / 160</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>ASTM D968</td>
<td>38L Sand / 1 Dry mil (Pigmented)</td>
</tr>
</tbody>
</table>

Working Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix Ratio</td>
<td>1 Part A : 1 Part B by volume</td>
</tr>
<tr>
<td>% Solids</td>
<td>94% by weight</td>
</tr>
<tr>
<td>Working Time</td>
<td>20 - 25 minutes</td>
</tr>
<tr>
<td>Minimum Re-Coat Time</td>
<td>2-3 hours</td>
</tr>
<tr>
<td>Maximum Re-Coat Time</td>
<td>24 hours</td>
</tr>
<tr>
<td>Foot Traffic / Vehicular Traffic</td>
<td>3-4 hours / 24 hours</td>
</tr>
</tbody>
</table>

Working properties based on 70°F & 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. Do not use Alcohol to clean prior to application.

Concrete must be mechanically profiled to an ICRI CSP-2. 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. If RH
measures 75% or greater, use LATICRETE® VAPOR BAN™ ER or SPARTACOTE Moisture Vapor Barrier.

Surface Preparation - Over existing tile
Refer to TDS 450: Installation Guideline for Installing SPARTACOTE over Existing Tiled Surfaces

Surface Preparation - Metal/Steel
Clean the surface per SSPC-SP1. Surfaces to be coated must be free of grease, oils, cutting fluids and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application.

For Steel: Shot blast the surface per SSPC-SP 6/NACE 3

For Stainless/Galvanized: Shot blast the surface per SSPC-SP16.

After shot blasting, perform a second solvent wipe of the surface to remove any residual dust or debris. Immediately coat the surface.

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

Mixing Part A with Part B
SPARTACOTE FLEX PURE Clinical Plus Part A can be mixed with SPARTACOTE FLEX PURE Part B. Prior to mixing Part A and Part B, individually mix Part A for 2 minutes. Mix 1 Part A and 1 Part B (1:1) by volume using a clean, dry working vessel. Use a paddle mixer on slow speed for 2 minutes. Avoid overmixing or creating a vortex that could introduce air. Do not mix below the dew point, which will shorten the pot life. No induction time is required prior to use.

If a traction additive (e.g. SPARTACOTE GRIP Traction Additive) is to be incorporated, it is to be added after thoroughly mixing Part A and Part B.

Application
SPARTACOTE FLEX PURE Clinical Plus may be applied by brush, roller, resin broom or squeegee. Suggested application thickness is 8 mils (0.20 mm) or 201 ft²/gal (4.9 m²/L) WFT. Maximum application thickness in a single application is 10 mils (0.25 mm) WFT. Applying beyond the maximum thickness may result in clouding or milky areas. Spread evenly over all prepared surfaces to desired thickness. Immediately following, while the coating is still wet, use a SPARTACOTE Roller Skin or other high quality 3/8” (9 mm) nap non-shedding roller to back-roll at 90° from the original application direction to help ensure full coverage and uniform thickness. Use a brush or small roller around penetrations, columns, and any other obstructions. Periodically check mil thickness using a wet film thickness gauge. Do not allow the product to puddle or pool. Contact LATICRETE directly for specifics on effective application techniques.

The material will be dry to the touch 2 to 3 hours after application, dependent on ambient temperature, slab temperature and humidity. Product may be re-coated within 2 to 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 application. Always apply over epoxy within the manufacturer's recommended re-coat time.

Notes
Mock-ups and field test areas are required in order to validate performance and appearance relate 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. Additional coats, shading or evening application may be required.

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:

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 of frequent and thorough cleaning utilizing a neutral pH cleaner. Frequency of washing will vary depending on floor usage type, traffic and age.

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
- DS 35216.0 VAPOR BAN ER
- DS 087.5: SPARTACOTE Moisture Vapor Barrier
- TDS 420: SPARTACOTE Floor Maintenance Guide
- TDS 450 Installation Guideline for Installing SPARTACOTE™ over Existing Tiled Surfaces

US Patents: 6,833,424 & 7,169,876