1. PRODUCT NAME
SPARTACOTE™ FLEX XPL CLINICAL PLUS

2. MANUFACTURER
LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA
Telephone: +1.203.393.0010, ext. 1235
Toll Free: 1.800.243.4788, ext. 1235
Fax: +1.203.393.1684
Website: laticrete.com

3. PRODUCT DESCRIPTION
SPARTACOTE FLEX XPL CLINICAL PLUS is a low VOC, minimal odor, fast-curing two-part polyaspartic aliphatic polyurea equipped with antimicrobial technology* which remains active for the lifetime of the floor coating, even when damaged or worn. Its engineered to retain a low viscosity for longer periods of time, allowing for extended working times and better flow. 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 XPL 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.

Advantages
- Antimicrobial technology inhibits the growth of stain-causing bacteria on the floor coating.
- Walk-on in hours; 24-hour return to service
- Low VOC
- UV Stable; retains optical clarity of clear sealer/finish
- Extended working time
- Good chemical and abrasion resistance
- SPARTACOTE GRIP Traction Additive or SPARTACOTE DIAMOND TOPP can be introduced as traction additives
- USDA compliant (FDA/CFSAN U.S. Food Code 6.101.11 Surface Characteristics)

Suitable Substrates

Packaging
- 9389-0002-2 Part A Clear: 2 Gal (7.6L) in a 3.5 gal (13.2L) pail
- 9390-0175-2 Part A Pigment Base: 1.75 gal (6.6L) in a 3.5 gal (13.2L) pail
- 9391-0005-2 Part A Clear: 5 gal (18.9L) in a 5 gal (18.9 L) pail
- 9392-0375-2 Part A Pigment Base: 5 gal (14.2L) in a 5 gal (18.9 L) pail

Approximate Coverage

<table>
<thead>
<tr>
<th>Dry Film Thickness mils (mm)</th>
<th>ft²/gal (m²/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 (0.15)</td>
<td>240 (5.9)</td>
</tr>
<tr>
<td>7 (0.18)</td>
<td>205 (5.0)</td>
</tr>
<tr>
<td>8 (2.0)</td>
<td>180 (4.4)</td>
</tr>
<tr>
<td>9 (0.23)</td>
<td>160 (3.9)</td>
</tr>
<tr>
<td>10 (0.25)</td>
<td>140 (3.4)</td>
</tr>
</tbody>
</table>

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for eighteen (18) months. Store between 40°F to 75°F (4° to 24°C). Material should be kept in a cool, dry location prior to application.

Limitations
- Not intended for use over countertops
- 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
- Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use. Application guides depending on the system employed are available at www.laticrete.com.
- Wear protective gloves, protective clothing and eye protection.
- Harmful if inhaled. Avoid breathing vapors, mist or spray.
- 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.
- May be fatal if swallowed and enters airways. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.
- Keep out of reach of children.

4. TECHNICAL DATA

VOC/LEED Product Information

30 g/L (as intended for use)

<table>
<thead>
<tr>
<th>Test</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>ASTM 2370</td>
<td>2575 psi (17.8 MPa)</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D638</td>
<td>1820 psi (12.5 MPa)</td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>ASTM D5420</td>
<td>68 in-lb (7.7 N-m)</td>
</tr>
<tr>
<td>Taber Abrasion</td>
<td>ASTM D4060</td>
<td>41 mg/cycle</td>
</tr>
</tbody>
</table>

Working Properties

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Property Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix Ratio</td>
<td>2 Part A : 1 Part B by volume</td>
</tr>
<tr>
<td>Working Time</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td>Minimum Re-coat Time</td>
<td>2 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>

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. 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 SPARTACOTE Moisture Vapor Barrier.

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 XPL CLINICAL PLUS Part A can be mixed with SPARTACOTE FLEX XPL Part B. Mix 2 Parts A and 1 Part B (2:1) 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.

NOTE: Once mixing is complete, use within the pot life window. Leaving mixed material in the bucket will generate excessive heat.

Application

SPARTACOTE FLEX XPL may be applied by brush, roller, resin broom or squeegee. Suggested application thickness is 8 mils (0.20 mm) or 180 ft²/gal (4.4 m²/L). Maximum application mil thickness in a single application is 10 mils (0.25 mm). 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:
  • LATICRETE Product 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 of frequent and thorough cleaning utilizing a neutral pH cleaner. The 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
  • TDS 420: SPARTACOTE Floor Maintenance Guide
  • TDS 087.5: SPARTACOTE Moisture Vapor Barrier