SPARTACOTE™ FLEX XPL

DS-32830.0-1018

1. PRODUCT NAME
SPARTACOTE™ FLEX XPL

2. MANUFACTURER
LATICRETE International, Inc.
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Website: laticrete.com

3. PRODUCT DESCRIPTION
SPARTACOTE FLEX XPL is a high solids, low VOC and minimal odor polyaspartic coating for both decorative and protective applications. SPARTACOTE FLEX XPL has been engineered to retain a low viscosity for longer periods of time, allowing for extended working times and better flow. It can be applied in single or multiple coats by brush, roller, squeegee or SPARTACOTE Resin Broom. Suitable for a variety of substrates including concrete, metal and epoxy it can be utilized within seamless multi-build resinous flooring systems including SPARTACOTE GUARD, CHIP, QUARTZ and METALLIC.

SPARTACOTE FLEX XPL provides optimal impact, abrasion, and chemical resistance characteristics. Suitable for high traffic applications. The material is ideal for use as a primer, mid coat, or clear top coat sealer within resinous flooring applications requiring minimal installation odor.

Uses
- Interior and exterior applications
- High traffic areas
- Industrial and commercial flooring

Advantages
- Walk-on in 4 hours, 24-hour return to service
- Low VOC
- UV-Resistant; 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
- Meets FDA/CFSAN, U.S. Food Code, physical facilities criteria as outlined in 6.101.11 Surface Characteristics USDA acceptable.
- Can be pigmented with SPARTACOTE Polyaspartic Pigments

Suitable Substrates

Packaging
- 2 Gal (7.6L) Part A in a 3.5 Gal (13.2L) pail
- 1.75 Gal (6.6L) Part A Pigment Base in a 3.5 Gal (13.2L) pail
- 1 Gal (3.8L) Part B in a 1 Gal (3.8L) pail
- 5 Gal (18.9L) Part A in a 5 Gal (18.9L) pail
- 3.75 Gal (14.2L) Part A Pigment Base in a 5 Gal (18.9L) pail
- 5 Gal. (18.9L.) Part B in a 5 Gal (18.9L) pail

Approximate Coverage


<table>
<thead>
<tr>
<th>Dry Film Thickness: Milis (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 (0.20)</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 one (1) year if stored off the ground in a dry area.

Limitations
- Not intended for use over countertops
- Not intended for areas experiencing significant thermal shock on a continual basis.
- 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.laticrete.com.
- Coating 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 causes serious eye irritation. Flush eyes with water for 15 minutes, if symptoms persist seek medical attention.
- Material should be kept in a cool dry place prior to application
- Surface temperature will become elevated when exposed to direct sunlight in warmer climates.
- 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 Standard
- ASTM D638
- ASTM D2369
- ASTM D2370
- ASTM D4060
- ASTM D5420

<table>
<thead>
<tr>
<th>Test</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC Content</td>
<td>ASM D2369 Method E</td>
<td>30 g/L</td>
</tr>
<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>Pot Life</td>
<td>20-25 Minutes</td>
</tr>
<tr>
<td>Mixing Ratio</td>
<td>2.0 Part A : 1.0 Part B by Volume</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</td>
<td>3-4 Hours</td>
</tr>
<tr>
<td>Vehicular Traffic</td>
<td>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
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 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. The application process will depend on the system being installed, reference appropriate specification or installation guides for details. SPARTACOTE FLEX XPL may be used as a top coat or applied directly to concrete. Concrete must be ground to an ICRI CSP-2 profile. This profile is achieved with a surface grinder equipped with metal bond diamonds. Ensure that color transition lines are firmly taped to reduce dye “bleed”.

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
Mix 2 Parts A and 1 Part B by volume using a clean, dry working vessel. Use a paddle mixer on slow speed for 2 minutes. Avoid over-mixing 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
Suggested application thickness is 8 mils (0.20 mm) or 180 Ft/square Gal (4.4 m²/L). Contact LATICRETE directly for specifics on effective application techniques. Maximum application mil thickness in a single application is 10 mils (0.25 mm). 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.

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 dependent upon a good routine maintenance program designed specifically for the installed wear surface. SPARTACOTE resinous floor coating systems are non-porous, causing dirt and contaminates 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
   ▪ DS 086.3: SPARTACOTE Blended Chip
   ▪ DS 087.2: SPARTACOTE Blended Quartz