



SPARTACOTE™ FLEX XPL Low Gloss

DS-36591-0620

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

SPARTACOTE™ FLEX XPL Low Gloss

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

SPARTACOTE™ FLEX XPL Low Gloss is a high solids, low VOC and minimal odor polyaspartic coating for both decorative and protective applications. SPARTACOTE FLEX XPL Low Gloss enhances any SPARTACOTE resinous flooring system by provide an attractive less reflective finish when used as a top coat. Engineered to retain a low viscosity for longer periods of time, it allows for easier application and improved workability. It can be applied in a single or multiple coats by brush, roller, squeegee or SPARTACOTE Resin Broom.

SPARTACOTE FLEX XPL provides optimal impact, abrasion, and chemical resistance characteristics. Suitable for high traffic applications. The material is ideal for use as a clear top coat within resinous flooring systems or direct to concrete as low gloss sealer. Its UV stable nature and minimal installation odor makes it suitable for both interior and exterior applications.

Available colors: Clear (Low Gloss)

Uses

- Top coat over all SPARTACOTE resinous flooring systems
- Interior and exterior applications
- High traffic areas
- Industrial and commercial flooring
- Residential garage flooring

Advantages

- Attractive low gloss finish
- Walk-on in 6-8 hours
- Low VOC; minimal odor
- UV Stable
- 24 hour return to service
- 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

- SPARTACOTE Polyaspartic Floor Systems
- SPARTACOTE Epoxy Floor Systems
- SPARTACOTE Urethane Cement Systems
- Concrete
- Tile

Packaging

- 9152-0023-2 Part A:
2.3 gal (8.7 L) in a 3.5 gal (13.2 L) pail
- 9143-0001-2 Part B:
Mix with SPARTACOTE FLEX XPL Part B
1 gal (3.8 L) in a 1 gal (3.8 L) can

Approximate Coverage

WFT	DFT	Coverage
6.0 mils (0.15 mm)	5.5 mils (0.14 mm)	267 ft ² /gal (6.6 m ² /L)
7.0 mils (0.18 mm)	6.4 mils (0.16 mm)	229 ft ² /gal (5.6 m ² /L)
8.0 mils (0.20 mm)	7.4 mils (0.19 mm)	201 ft ² /gal (4.9 m ² /L)
9.0 mils (0.23 mm)	8.3 mils (0.21 mm)	178 ft ² /gal (4.4 m ² /L)
10.0 mils (0.25 mm)	9.2 mils (0.23 mm)	160 ft ² /gal (3.9 m ² /L)

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 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 system employed are available at www.laticrete.com.
- Wear protective gloves, protective clothing and eye protection.
- 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.
- Dispose of contents/container in accordance with local, regional, national, and international regulations.
- Keep out of reach of children.

4. TECHNICAL DATA



VOC/LEED Product Information

<100 g/L (as intended for use)

Physical Properties

Property	Test Method	Result
Adhesion	ASTM D7234	>300 psi (>2.1 MPa) Substrate Failure
Tensile Strength	ASTM D2370	3300 psi (22.8 MPa)
Impact Resistance	ASTM D5420	88 in-lb (9.9 n-m)
Abrasion Resistance	ASTM D4060 1000 cycles	19 mg/cycle

Working Properties

Property	Value
Mix Ratio	2.3 Part A : 1 Part B by volume
% Solids	92% by weight
Working Time	20 - 25 minutes
Minimum Re-Coat Time	3 hours
Maximum Re-Coat Time	24 hours
Foot Traffic / Vehicular Traffic	6-8 hours / 24 hours

Working properties based on 70°F & 50% RH.
Changes in ambient conditions may cause times to vary.

Chemical Resistance

Chemical	Resistance		
Acids, Inorganic		20% Ammonium Nitrate	R
10% Hydrochloric Acid	R	Brake Fluid	R
30% Hydrochloric Acid	R*	6% Bleach	R
10% Nitric Acid	R*	Motor Oil	R
50% Phosphoric Acid	R*	Skydrol (R) LD4	R
37% Sulfuric Acid	R*	20% Sodium Chloride	R
Acids, Organic		1% Tide Laundry Soap	R
10% Acetic Acid	R	10% Trisodium Phosphate	R
10% Citric Acid	R	ECOLAB Wash n' Walk Cleaner	R
Oleic Acid	R	50% Oleic / 50% Wash n' Walk	R
Alkalies		Betadine (10% Povidone Iodine)	R*
10% Ammonium Hydroxide	R		
50% Sodium Hydroxide	R*		
Alkalies		R = Recommended	
Ethylene Glycol (Anti-Freeze)	R	R* = Recommended; staining may occur	
		NR = Not Recommended	
Isopropyl Alcohol	NR	Specifications subject to change without notification.	
Methanol	NR	Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.	
D-Limonene	R*		
Gasoline	NR	5. INSTALLATION	
Mineral Spirits	R	SPARTACOTE FLEX XPL Low Gloss is intended for use as a top coat in SPARTACOTE resinous flooring systems or direct to concrete as a clear low gloss sealer. See applicable product data sheets for installation instructions and re-coat windows.	
Xylene	NR	Surface Preparation - Concrete	
Methylene Chloride	NR	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.	
Methy Ethyl Ketone (MEK)	NR		
Dowanol PM Glycol Ether	NR	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	
Miscellaneous			

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

Mixing Part A with Part B

SPARTACOTE FLEX XPL Low Gloss is provided in premeasured units (2.3A:1B by volume). Prior to mixing parts A & B, individually mix SPARTACOTE FLEX XPL Low Gloss Part A for 2 minutes to disperse any contents which may have settled. Pour 1 gal (3.8 L) SPARTACOTE FLEX XPL Part B into the complete 2.3 gal (8.7 L) unit of SPARTACOTE FLEX XPL Low Gloss Part A. Stir with a slow speed drill mixer 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.

Once mixing is complete, use within the stated working time. Leaving mixed material in the bucket may generate excessive heat.

Application

SPARTACOTE FLEX XPL Low Gloss may be applied by brush, roller, resin broom or squeegee. Suggested application thickness is 8 mils (0.20 mm) WFT or 201 ft² /gal (4.9 m² /L). 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. Its important to maintain a consistent back-roll and thickness to avoid variations in the final finish. 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. Product will appear glossy when first applied but will dry to a low gloss finish. Allow 24-48 hours for floor to reach final low gloss appearance. Contact LATICRETE directly for specifics on effective application techniques.

The material will be dry to the touch 3 to 4 hours after application, dependent on ambient temperature, slab

temperature and humidity. Product may be re-coated within 3 to 24 hours following application. Light foot traffic is acceptable 6 to 8 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:

- DS 230.13: 1 Year 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 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 (e.g.

STONETECH Tile & Stone Cleaner). The frequency of washing will vary depending on floor usage type, traffic, and age. Refer to TDS 420: SPARTACOTE Floor Maintenance Guide.

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

LATICRETE International, Inc.

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