



# SPARTACOTE™ Surface Build Top Coat UV

DS-623.2-0620

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

SPARTACOTE™ Surface Build Top Coat UV

## 2. MANUFACTURER

LATICRETE International, Inc.  
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Fax: +1.203.393.1684

Website: [laticrete.com](http://laticrete.com)

## 3. PRODUCT DESCRIPTION

SPARTACOTE Surface Build Top Coat UV is a high-performance top coat providing increased UV and chemical resistance to SPARTACOTE epoxy systems.

### Uses

- Research facilities
- Laboratories
- Food & Beverage Facilities
- Hospitals

### Advantages

- Low odor
- Excellent adhesion
- Soap and water clean up
- low VOC's
- Provides UV protection

### Suitable Substrates

- Concrete
- Tile
- SPARTACOTE Epoxy Floor Systems

### Packaging

- 9812-0005-2 Full Kit: 5 gal (18.9L) kit
- Part A: 3.1 gal (11.7L) in a 5 gal pail
- Part B: 1.9 gal (7.2L) in a 3.5 gal pail

### Approximate Coverage

| WFT                    | DFT                    | Coverage  |
|------------------------|------------------------|---|
| 15.0 mils<br>(0.08 mm) | 14.7 mils<br>(0.37 mm) | 100 ft <sup>2</sup> /gal<br>(2.5 m <sup>2</sup> /L) |
| 20.0 mils<br>(0.10 mm) | 19.6 mils<br>(0.50 mm) | 80 ft <sup>2</sup> /gal<br>(2.0 m <sup>2</sup> /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.

### Shelf Life

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

### Limitations

- Substrate temperature must be between 50°F (10°C) and 90°F (32°C)
- Ambient relative humidity must not exceed 90%
- Substrate temperature must be 5°F(3°C) above the dew point
- Intended for interior applications only

### 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 are available at [www.laticrete.com](http://www.laticrete.com).

- Wear protective gloves, protective clothing and eye protection.
- Causes skin burns. If skin irritation or rash occurs: get medical advice/attention
- Causes serious eye damage. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Call a physician immediately.
- If swallowed: Rinse mouth do not induce vomiting. Immediately call a physician immediately.
- Keep out of reach of children.

#### 4. TECHNICAL DATA

##### VOC/LEED Product Information

15 g/L (as intended for use)

##### Physical Properties

| Test Method                        | Results                                |
|------------------------------------|--|
| Adhesion to concrete<br>ASTM D7234 | >300 psi (2.1 MPa)<br>concrete failure |
| Tensile strength ASTM<br>D638      | 7000-7500 psi (48.2-<br>51.7 MPa)      |

##### Working Properties

| Property                         | Temperature | Value              |
|----------------------------------|-------------|--------------------|
| Mix Ratio                        | ---         | Pre-measured units |
| Working Time                     | 50°F (10°C) | 160-170 minutes    |
|                                  | 75°F (24°C) | 80-85 minutes      |
|                                  | 90°F (32°C) | 40-50 minutes      |
| Minimum Re-Coat Time             | 50°F (10°C) | 12-14 hours        |
|                                  | 75°F (24°C) | 6-8 hours          |
|                                  | 90°F (32°C) | 5-6 hours          |
| Cure Time                        | 50°F (10°C) | 96 hours           |
|                                  | 75°F (24°C) | 24 hours           |
|                                  | 90°F (32°C) | 20 hours           |
| Foot Traffic / Vehicular Traffic | ---         | 24 hours min.      |
| Full Cure                        | ---         | 7 Days             |

Working properties based on stated temperature and 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

SPARTACOTE Surface Build Top Coat UV is intended for use as a top coat over SPARTACOTE epoxy systems. Ensure that proper re-coat windows are

observed. See applicable primer or body coat product technical data sheet for surface preparation requirements.

##### Mixing

SPARTACOTE Surface Build Top Coat UV is provided in pre-measured units and when mixed will yield 5 gal (18.9 L) of material.

Prior to mixing, mechanically mix Part A separately for 1-2 minutes to disperse any fillers which may have settled. Mix pre-measured unit of Part A with pre-measured unit of Part B for 2-3 minutes.

##### Application

SPARTACOTE Surface Build Top Coat UV may be applied by notched squeegee or SPARTACOTE Resin Broom. Suggested application thickness is 15-20 mils (0.4-0.5 mm). Spread evenly over all surfaces and immediately backroll with a short nap roller or spiked roller to deaerate and help level.

To optimize inter-coat adhesion, appropriate recoat times must be observed. Exposure of the coating to direct sunlight will considerably shorten the recoat times. If recommended recoat times are exceeded, consult a LATICRETE Technical Service Representative; sanding or abrasive blasting may be required.

With all epoxies after priming and before each additional coat, examine the surface for amine blush (oily film). If present, remove by cleaning the surface with acetone.

##### Notes

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 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. Double priming, shading or evening application may be required.

**Cleaning** Use acetone or xylene to clean tools and equipment.

#### 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](http://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 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. Please Refer to TDS 420 "SPARTACOTE Floor Maintenance Guide" available at [www.laticrete.com](http://www.laticrete.com) for more information.

**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](http://laticrete.com).**10. FILING SYSTEM**Additional product information is available on our website at [laticrete.com](http://laticrete.com). The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty
- TDS 420: SPARTACOTE Floor Maintenance Guide
- DS 615.0: SPARTACOTE Surface Build Pigment Base
- DS 623.0: SPARTACOTE Surface BuildClear
- DS 623.1: SPARTACOTE Surface Build Flake

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