



# SPARTACOTE™ Surface Build Clear

DS-623.0-0819

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

SPARTACOTE™ Surface Build Clear

## 2. MANUFACTURER

LATICRETE International, Inc.  
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## 3. PRODUCT DESCRIPTION

SPARTACOTE Surface Build Clear (formerly SPARTACOTE Surface Build Quartz) is a high performance clear multi-purpose epoxy coating. It offers excellent abrasion and chemical resistance.

### Uses

- Commercial/Institutional Kitchens
- Pharmaceutical & Research Facilities
- Laboratories and Clean Rooms
- Water Treatment Plants
- Educational Facilities

### Advantages

- Low VOC
- High solids, multi-purpose epoxy
- Clear high gloss finish
- Excellent chemical and abrasion resistance
- Acceptable for use in broadcast systems
- USDA compliant (FDA/CFSAN U.S. Food Code 6.101.11 Surface Characteristics)

### Suitable Substrates

- Concrete

### Packaging

9810-0005-2 Full Kit: 5 gal (18.9L) kit

- Part A: 3.3 gal (12.5L) in a 5 gal pail
- Part B: 1.7 gal (6.4L) in a 3.5 gal pail

### Approximate Coverage

15 mils (0.4 mm)	80-100 ft <sup>2</sup> /gal (1.9-2.5 m <sup>2</sup> /L)
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### 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

- 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 dew point
- Product is not UV Stable and 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 severe 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.
- Harmful if swallowed. Rinse mouth do not induce vomiting. Call a physician immediately.
- Keep out of reach of children.

## 4. TECHNICAL DATA

### VOC/LEED Product Information

6 g/L

### Physical Properties

Test	Test Method	Results
Tensile Strength	ASTM C638	900-1000 psi (6.2-6.9 MPa)
Abrasion Strength	ASTM D4060 CS-17 wheel, 1,000 revolutions	23 mg weight loss

Test	Test Method	Results
Tensile Bond Strength	ASTM C7234	Cohesive Failure of Concrete

### Working Properties

Property Name	Property Value
Working Time	30-40 Minutes
Minimum Re-Coat Time	12 Hours
Maximum Re-Coat Time	72 Hours
Foot Traffic / Vehicular Traffic	24 Hours Min.
Full Cure	7 Days

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

It is recommended to prime all surfaces to be coated prior to application of SPARTACOTE Surface Build Clear. The use of a primer will increase adhesion to the substrate and reduce the occurrence of fisheyes, blistering, pinholes & outgassing. Ensure that proper re-coat windows are observed. See applicable primer technical data sheet for surface preparation requirements.

Compatible SPARTACOTE Primers:

- SPARTACOTE General Primer (DS 622.6)
- SPARTACOTE Oil Tolerant Primer (DS 622.9)
- SPARTACOTE WB Epoxy Primer (DS 085.8)
- SPARTACOTE Moisture Vapor Barrier (DS 087.5)

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 mechanically profiled to an ICRI CSP-3 to 5. 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.

Substrate defects (voids, bugholes, divots, etc.) should be filled smooth with surrounding substrate surface with SPARTACOTE Epoxy Fill Coat (see technical data sheet DS 623.3 for application instructions) prior to the application of SPARTACOTE Surface Build Clear.

### Mixing

SPARTACOTE Surface Build Clear 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. Pour mix directly onto the primed concrete.

### Application

SPARTACOTE Surface Build Clear may be applied by notched squeegee or SPARTACOTE Resin Broom. Suggested application thickness is 15 mils (0.4 mm) but can be applied up to a maximum of 20 mils (0.5 mm) in a single coat. Spread evenly over all primed surfaces and immediately backroll with a spiked roller to deaerate and help level.

For broadcast systems, immediately following the backroll and while the material is still wet broadcast media with either a mechanical sprayer or by hand in a "rainfall pattern" into the wet resin to refusal or rejection.

For improved UV stability, abrasion, stain resistance, and chemical resistance a top coat is recommended. Consult a LATICRETE Technical Service Representative for best options.

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:

- 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™ 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 on frequent and through cleaning utilizing a neutral pH cleaner. 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
- DS 623.3: SPARTACOTE Epoxy Fill Coat
- DS 622.6: SPARTACOTE General Primer
- DS 622.9: SPARTACOTE Oil Tolerant Primer
- TDS 420: SPARTACOTE Floor Maintenance Guide
- DS: 085.8: SPARTACOTE WB Epoxy Primer
- DS: 087.5: SPARTACOTE Moisture Vapor Barrier
- DS 087.2: SPARTACOTE Blended Quartz