



SPARTACOTE™ Surface Build Quartz

DS-623.0-0718

**Globally Proven
Construction Solutions**

1. PRODUCT NAME

SPARTACOTE™ Surface Build Quartz

2. MANUFACTURER

LATICRETE International, Inc.
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Bethany, CT 06524-3423 USA

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Toll Free: 1.800.243.4788, ext. 1235
Fax: +1.203.393.1684
Website: www.laticrete.com

3. PRODUCT DESCRIPTION

SPARTACOTE™ Surface Build Quartz is a general purpose high performance epoxy quartz floor coating system. Provides strong bonded monolithic floor, offering excellent physical and mechanical properties for interior applications.

Uses

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

Advantages

- Low VOC, low odor
- Unique multi-colored patterns
- Tough, durable seamless floor
- Excellent adhesion, chemical and abrasion resistance
- Broadcast system allows for ease of application
- USDA compliant
- Chemical resistant to; salts, dilute inorganic acids, cleaning and sanitizing solutions, alkaline solutions and oils

Suitable Substrates

- Concrete

Packaging

SPARTACOTE Surface Build Quartz
Part A- 5 Gallon (19 L) Plastic Pail
Part B- 3.5 Gallon (13.2 L) Plastic Pail
9810-0005-2

Shelf Life/Storage

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.

Approximate Coverage

SPARTACOTE Surface Build Quartz

Body Coat	80-100ft ² (unit*)per gallon (7.4-9.3 m ²) per 1/16" lift (1.5 mm)
SPARTACOTE Quartz Aggregate	0.75 lb./ft ² (32 kg/m ²)per 1/16" lift (1.5 mm)

*This unit does not include SPARTACOTE quartz aggregate. Consult your LATICRETE Technical Service representative for information on pricing and availability of quartz aggregate.

VOC Content

6 g/L

Limitations

- Substrate temperature must be between 50°F (10°C) and 110°F (43°C)
- Relative humidity must not exceed 90%
- Substrate temperature must be 5°F (3°C) above dew point
- All concrete substrates must be checked for moisture prior to primer application using the Plastic Sheet Test per ASTM D 4263.
- Warning: SPARTACOTE Surface Build Quartz Body Coat is not UV stable and is only intended for interior applications.

Cautions

Consult SDS for more safety information.

- Causes skin irritation. Safety glasses, gloves, and suitable protective clothing must be worn at all times during application.
- Fumes are flammable and heavier than air. Proper ventilation should be maintained to minimize breathing of concentrated fumes. Suitable respirators should be used during application.
- May cause an allergic skin reaction. If rash occurs, remove individual from the work area and seek physician's care for dermatitis.
- Causes serious eye irritation. In case of eye contact, flush with water for at least 15 minutes and consult a physician.
- If contact with hardeners occurs, remove any clothing involved and flush the skin with flowing water. Do not attempt to wash and reuse it. SPARTACOTE™ Surface Build Quartz can be removed with lacquer thinner.
- If swallowed, do not induce vomiting; call a physician immediately.
- Keep out of reach of children.

4. TECHNICAL DATA

Physical Properties

Compressive Strength	8,000-10,000 psi 55-69 MPa)	ASTM C579
Tensile Strength	1,500-1,600 psi (10-11 MPa)	ASTM C307
Flexural Strength	2,200-2,400 psi (15-17 MPa)	ASTM C580
Abrasion Strength	0.06 gm max weight loss	ASTM D4060 CS- 17 wheel, 1,000 revolutions
Tensile Bond Strength	Cohesive Failure of Concrete	ASTM C7234
Fungus Resistance	U.S. Mil Std, 810E	No Growth

Specifications are subject to change without notification. Technical data shown in SPARTACOTE™ product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors.

5. INSTALLATION

SURFACE PREPARATION

Concrete must be prepared mechanically to remove surface laitance. Oils, grease or other contaminant must be removed prior to surface preparation. Concrete must be free of curing compounds and form release agents. Surface texture should be CSP-3 from the International Concrete Repair Institute. The prepared surface should have a nominal tensile strength of 250 psi (1.7 MPa) per ASTM D 7234. Abrasive blasting removes laitance, exposing honeycombs or voids beneath the surface which can be filled with SPARTACOTE Epoxy Fill Coat. (Refer to separate product data sheet)

SPARTACOTE Surface Build Quartz Pot Life and Cure Time

Temperature	Pot Life	Cure Time
50°F (10°C)	50-60 min.	72 hrs.
75°F (24°C)	30-40 min.	24 hrs.
90°F (32°C)	15-30 min.	20 hrs.

PRIMING

The following primers are compatible with SPARTACOTE Surface Build Quartz:

SPARTACOTE Oil Tolerant Primer, SPARTACOTE General Primer

Prior to adding Part B, mix SPARTACOTE Surface Build Quartz Part A for 1-2 minutes to assure that any filler which may have settled is dispersed. Combine the A and B Parts and stir mechanically for approximately 2-3 minutes. Thoroughly scrape the sides and bottom of the container and remix for another 30 seconds to achieve a uniform consistency

Application

Pour the SPARTACOTE™ Surface Build Quartz mix directly onto the primed concrete. The mix should be spread to a 15-mil thickness with a serrated squeegee, notched trowel or gauge rake. After spreading the material to the proper thickness, roll with a porcupine roller to level and de-aerate. Broadcast with either a mechanical spreader or by hand in a "rainfall pattern" into the wet

Body Coat to complete saturation (approximately 0.75 per square foot of "medium" broadcast quartz aggregate). Once cured, remove excess aggregate with heavy-duty industrial vacuum cleaner. This will produce a 1/16" (32 kg/m²) thick topping. If additional thickness is specified, repeat the above steps. When a 1/8" (3 mm) or 3/16" (4.8 mm) thickness is required, it is recommended that the application be made in successive lifts. Using two or three "broadcast lifts" assures greater uniformity in both thickness as well as aesthetic quality.

Cleaning

Use acetone or xylene to clean tools and equipment. Do NOT use lacquer thinner.

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® 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

www.laticrete.com

Cost

Contact a LATICRETE Representative in your area.

7. WARRANTY

LATICRETE 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 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 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 www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE 1 Year Product Warranty

DS 622.6: SPARTACOTE™ General Primer

DS 622.5: SPARTACOTE Cove Gel

DS 622.9: SPARTACOTE Oil Tolerant Primer

DS 623.3: SPARTACOTE Epoxy Fill Coat
TDS 420: SPARTACOTE Floor Maintenance Guide

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