



SPARTACOTE™ UC Topcoat

(Urethane Cement Topcoat)

DS-014.5-0617

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

SPARTACOTE™ Urethane Cement Topcoat
Product Components:

SPARTACOTE Urethane Cement Topcoat is a 4-part system consisting of a part A and part B liquid, Part C **top-coat** filler and pigment pack.

2. MANUFACTURER

LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA

Telephone: +1.203.393.0010, ext. 235
Toll Free: 1.800.243.4788, ext. 235
Fax: +1.203.393.1684
Website: www.laticrete.com

3. PRODUCT DESCRIPTION

SPARTACOTE Urethane Cement Topcoat is a low-gloss finish polyurethane coating designed for use over SPARTACOTE Urethane Cement ATS. This material may also be used as a primer or stand-alone coating.

Uses

- Topcoat over SPARTACOTE Urethane Cement ATS systems.
- Wet Processing Environments
- Food & Beverage Packaging
- Commercial Kitchens
- Chemical Process Facilities
- Pharmaceutical Manufacturing Facilities

Advantages

- Attractive Matte Finish
- Low VOC & Low Odor
- Rapid Installation & Cure
- Impact and abrasion resistant
- Fungi growth resistant per ASTM G-21

Suitable Substrates

- Concrete

Packaging

Urethane Cement Part A 1-Gal/3.7L: 9250-0001-1

Urethane Cement Part B 1-Gal / 3.7L: 9252-0001-1

Urethane Cement Topcoat Filler 6.5 lb. /2.95kg: 9255-0001-1 (2 units)

Urethane Cement Pigment 1 lb. /.45 Kg: SKU based on color. (2 units)

Approximate Coverage

- 220 ft² (20.4-23.3 m²) kit

Shelf Life

- Part A and Part B Liquids: 6 Months
- For cementitious powders packed in paper bags: 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

- Moisture vapor should be 12 lbs. or less per 1000ft² over a 24 hour period when going direct to concrete. (need to insert RH equivalent)
- Confirm product performance in specific chemical environment prior to use
- Properly prepare substrate according to specific guidelines within this document
- SPARTACOTE Urethane Cement Topcoat is not color stable unless UV resistant top-coat is used
- Do not install on wet concrete
- Floors should be properly sloped to drain to prevent standing water
- Spills should be removed as soon as possible to prevent potential hazards
- Closely follow details specified within application guide.
- Application Temperature: See technical data section below

Cautions

- Consult SDS for more safety information.
- Causes skin irritation

- May cause an allergic skin reaction
- Causes serious eye irritation
- Harmful if inhaled
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- May cause respiratory irritation
- Suspected of causing cancer
- May cause damage to organs through prolonged or repeated exposure
- Keep out of reach of children.

4. TECHNICAL DATA

Applicable Standard

ASTM C579, ASTM C307, ASTM C580, ASTM C4541, ASTM D4226, ASTM G21

Physical Properties

Typical Properties at 70°

Compressive Strength (ASTM C579)	6,250 psi (43 MPa)
Tensile Strength (ASTM C307)	1,750 psi (12.06 MPa)
Flexural Strength (ASTM C580)	3,000 psi (20.68 MPa)
Impact Strength, in/lbs. (ASTM D 4226)	≥140 in-lb. (1613 gram-force meter)
Resistance to Fungi Growth (ASTM G21)	Passes, Rating of 1

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.

Working Properties

Application Temperature, ambient	40-85°F (4-29°C)
Application Temperature, material	50-80°F (10-27°C)
Shelf Life	6 months
Pot Life at 77°F (25°C)	20 minutes
Traffic at 77°F (25°C)	Light: 12 hours/Full:24 hours
Fully Cured at 77°F (25°C)	7 days

5. INSTALLATION

Surface Preparation

Concrete: Apply only to properly prepared clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants.

- SPARTACOTE Urethane Cement Topcoat can be installed after 7 days or when concrete reaches a minimum 3,500 psi compressive strength which will allow for proper surface preparation. However, early curing movement, shrinkage or cracking that may occur in the concrete will be reflected through the final SPARTACOTE UC flooring.
- Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.
- Remove any laitance or weak surface layers including broom finish surface.
- Prepare surface by mechanical profile to an ICRI CSP 3.

- All concrete surface irregularities, cracks, expansion joints, control joints and terminations should be properly addressed and prepared prior to application of the flooring. Moving joints and cracks will reflect through the final installed SPARTACOTE™ Urethane Cement flooring.

Mixing

1. Pour 1 Gallon Part A into mixing pail.
2. Add 1 powder pigment to Part A and mix about 15 seconds using a ½” drill and jiffy mixer until powder is evenly dispersed.
3. Add 1 gallon Part B
4. Gradually add all contents of SPARTACOTE Urethane Cement Top-coat filler into the liquid mixture. Blend thoroughly until all particles are wetted out.
5. DO NOT BLEND AGGRESSIVELY OR INDUCE AIR

Application

IMPORTANT – Follow all safety instructions listed on the product. Safety Data Sheets (SDS) copies available upon request. The following materials should only be installed by trained persons experienced in polyurethane concrete flooring applications.

1. Immediately following mixing, pour into ribbons on floor.
2. Using a flat squeegee, move material uniformly across floor.
3. Complete double perpendicular backroll with 3/8” or ¼’ (9 mm or 6 mm) nap roller.
4. Do not overwork material

Cleaning of Tools

Mineral Spirits

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 (e.g. Simple Green®). 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.SPARTACOTE.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. 235
Telephone: +1.203.393.0010, ext. 235
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:

(List DS number for all Products mentioned in this Data Sheet or which are relevant to this product. List DS number for Warranties mentioned in Section 7.)

Example:

DS 014.5: SPARTACOTE™ Urethane Cement Topcoat
DS 230.13: LATICRETE® 1 Year Product Warranty