



SPARTACOTE® Cove Gel

DS-622.5-0223

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

SPARTACOTE® Cove Gel

2. MANUFACTURER

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

Telephone: +1.203.393.0010, ext. 1235
Toll Free: 1.800.243.4788, ext. 1235
Fax: +1.203.393.1684
Website: laticrete.com

3. PRODUCT DESCRIPTION

SPARTACOTE Cove Gel is an epoxy system designed for installation as an integral cove base. For use with SPARTACOTE resinous coating systems to create seamless transitions between the floor and wall.

Uses

- Commercial Kitchens
- Food and Beverage Facilities
- Hospitals
- Educational Facilities
- Bathrooms
- Clean Rooms

Advantages

- Creates a smooth easy to clean transition between floor and wall
- FDA/USDA compliant (FDA/CFSAN U.S. Food Code 6.101.11 Surface Characteristics)

- Integral, seamless installation eliminates joints and seams
- User friendly formulation installs easier with more consistent results
- Packaged in pre-measured units for simplified mixing
- Can be tinted with SPARTACOTE Universal Pigments
- Low VOC, compliant with SCAQMD rule 1113

Suitable Substrates (Interior Use Only)

- Concrete
- Concrete Masonry Units (CMU)
- Cement Backer Board
- Wall Board

Packaging

SPARTACOTE Cove Gel is mixed at 4A:1B by volume. Each 5 gal (18.9 L) kit is packaged in pre-measured units to create four 1.25 gal (4.7 L) mixes.

5 gal (18.9 L) kit

4 x 1 gal (3.8 L) part A
1 gal (3.8 L) part B

Note: Body Coat requires the use of SPARTACOTE Blended Quartz (sold separately)

Approximate Coverage

4" h x 1" R = 65 – 100 linear feet per 1.25 (4.7 L) mix
= 260 – 400 linear feet per 5 gal (18.9 L) kit

6" h x 1" R = 55 – 75 linear feet per 1.25 (4.7 L) mix
= 220 – 300 linear feet per 5 gal (18.9 L) kit

Coverage values are approximate and will vary based on surface conditions, preparation methods, and application techniques.

Shelf Life

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

Limitations

- Substrate temperature of concrete 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
- 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.
- Wear protective gloves, clothing and eye protection.
- May cause an allergic skin reaction. 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. Call a physician immediately.
- 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
Bond Strength	ASTM D7234	>300 psi (>2.1 MPa) Concrete Failure
Hardness*	ASTM D2240	81 Shore D
Tensile Strength*	ASTM D2370	5,000 psi (34.5 MPa)
Compressive Strength*	ASTM D695	9,000 psi (62.1 MPa)

*Resin Only

Working Properties

Property	Value
Mix Ratio	4A:1B by vol.
% Solids	~99% by vol.
Working Time	60 mins.
Min / Max Recoat	9 hrs / 72 hrs
Dry Time	12 hrs
Full Cure	7 days

- Working properties based on 70°F & 50% RH. Changes in ambient conditions may cause times to vary.
- Increases in temperature will shorten the working time, dry time, and recoat windows.

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

Mixing

SPARTACOTE Cove Gel is mixed at 4A:1B by volume. Each 5 gal (18.9 L) kit is packaged in pre-measured units to create four 1.25 gal (4.7 L) mixes.

Before using, store resins at room temperature 65-85°F (18-30°C) for 24 hours to ensure ease of mixing. Prior to mixing, stir individual liquid components to disperse any materials that may have settled.

In a separate clean 5 gal (18.9 L) mixing bucket, add 1 gal (3.8 L) pre-packaged unit of part A, scraping sides to ensure all material is removed.

If tinting with SPARTACOTE Universal Pigments, mix pigments into part A prior to combining parts A and B at a loading rate of (1) small unit per 1.25 gal (4.7 L) mix. Add the full contents of SPARTACOTE Universal Pigment unit directly into part A. Scrape sides and ensure all pigment is removed from the jar. Mix pigment into Part A with a slow speed drill mixer to fully disperse the pigments until a uniform color and consistency are achieved, approximately 2 minutes. SPARTACOTE Universal Pigments are intended to be added in addition to the existing resin. No resin should be removed.

To the mixing bucket containing the part A, measure and add 1 quart (0.9 L) of part B. Using a heavy-duty, variable speeddrill mixer and suitable mortar mixing blade, mix parts A and B for 2-3 minutes at slow speeds (<300 rpm) until a uniform consistency and appearance is achieved. **Important: Before adding aggregate, remove 1 quart of mixed resin for use as a primer/tack coat.**

Gradually add 50 lbs (22.7 kg) quartz or 30 mesh kiln-dried sand to the remaining 1 gallon (3.6 L) mixed resin. Blend thoroughly at high speed (650-1000 rpm) until all particles are wetted out and no lumps remain, normally about two minutes. Add additional aggregate if necessary up to a total of 75 lbs (34.0 kg). Immediately after mixing, begin the cove application. Do not allow the mixed product to sit in the pail for extended periods of time. No induction time is required.

Application

All horizontal and vertical surfaces must be primed/tack coated immediately prior to applying the body coat. This will ensure that the body coat hangs without slumping. Begin by using a disposable brush to apply a thin tack coat of the reserved SPARTACOTE Cove Gel on all surfaces which will receive the cove base. If the tack coat dries prior to applying the body coat, reapply the tack coat.

To apply the body coat, take the resin and aggregate mixture and trowel up the wall into the wet tack coat with a straight-edged trowel. Place extra mortar in the radius and smooth with a radius coving trowel to form the desired cove profile. Note: A soap and water solution or solvent (xylene) may be used to lubricate the trowel during application.

Once the body coat has cured, apply SPARTACOTE Cove Gel as a grout coat to seal the cove surface. Mix a new batch of Cove Gel following the directions above excluding the addition of aggregates. Using a disposable brush, cover the seamless cove base to excess. Follow with a flat squeegee to remove excess material. Allow to cure overnight and repeat (if necessary) with a second grout coat.

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

To optimize intercoat adhesion, appropriate re-coat times must be observed. Exposure of the coating to direct sunlight will considerably shorten the re-coat 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.

Storage

Store in a clean, dry environment out of direct sunlight between 40°F - 100°F (5°C - 38°C).

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

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

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.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. 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
- DS 87.2: SPARTACOTE Blended Quartz

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