



SPARTACOTE™ Epoxy Membrane

DS-622.3-0119

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

SPARTACOTE™ Epoxy Membrane

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

SPARTACOTE Epoxy Membrane is a flexible epoxy membrane underlayment designed to bridge surface cracks. A high solids, two component epoxy containing flexibilized epoxy resin and silica fillers, it can be used in combination with other SPARTACOTE products to produce a durable, seamless coating system.

Uses

- Underlayment in SPARTACOTE resinous coating systems
- Bridge non-structural surface cracks in concrete
- Waterproofing membrane over unoccupied spaces

Advantages

- Combines exceptional strength and flexibility
- Easy to apply
- Thin, only 20-30 mils (0.58-0.76 mm)
- For floors and walls

Suitable Substrates

- Concrete
- CMU

Packaging

- 9800-0005-2 Full Kit: 5 gal (18.9L) Kit
- Part A: 3.0 gal (11.3L) in a 5 gal (18.9L) pail
- Part B: 2.0 gal (7.6L) in a 3.5 (13.2L) gal pail

Approximate Coverage

20-30 mils (0.5-0.8 mm)	60-80 ft ² /gal (1.5-2.0 m ² /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 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
- Waterproofing over unoccupied spaces only. Not to be used as a roofing membrane, in submerged applications or over occupied spaces.
- Not for use in pools or fountains

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, protective clothing and eye protection.
- May cause an allergic skin reaction. If skin irritation or rash occurs: get medical advice/attention
- Flammable liquid and vapor. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 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

20 g/L

Physical Properties

Test	Test Method	Results
Compressive Strength	ASTM C579	6,000 psi (41.4 MPa)
Tensile strength	ASTM C307	2,500-3,000 psi (17.2-20.7 MPa)
Tensile Elongation	ASTM C307	25%
Tensile Bond Strength	ASTM D7234	Concrete substrate failure

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

Surfaces to be coated must be primed prior to application of SPARTACOTE Epoxy Membrane. 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)

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 Epoxy Membrane.

Mixing

SPARTACOTE Epoxy Membrane 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 Epoxy Membrane may be applied by notched squeegee or SPARTACOTE resin broom. Suggested application thickness is 20-30 mils (0.5-0.8 mm). Spread evenly over all primed surfaces and immediately backroll with a spiked roller to deaerate and help level.

To aid in inter-coat adhesion, it is recommended to lightly buff and acetone wipe the surface prior to re-

coating. A light broadcasting of 30 mesh kiln dried sand into the wet SPARTACOTE Epoxy Membrane may also be used to enhance adhesion of subsequent coats. 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.

For vertical applications, SPARTACOTE Epoxy Membrane may be applied by roller. Spread evenly over all primed surfaces. Two coats may be necessary to achieve a 20-30 mils (0.5-0.8 mm) total thickness.

SPARTACOTE Epoxy Membrane is designed to be used as an underlayment in SPARTACOTE resinous coating systems. It is not recommended as a standalone product. Consult a LATICRETE Technical Service Representative for best options.

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.

Cure Cycle

Temperature	Working Time	Cure Time	Max. Re-Coat Time
50°F (10°C)	60 Minutes	96 Hours	120 Hours
75°F (24°C)	30 Minutes	24 Hours	72 Hours
90°F (32°C)	15 Minutes	16 Hours	48 Hours

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:

- 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 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 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
- DS 623.3: SPARTACOTE Epoxy Fill Coat
- DS 622.6: SPARTACOTE General Primer
- TDS 420: SPARTACOTE Floor Maintenance Guide
- DS 622.9: SPARTACOTE Oil Tolerant Primer
- DS: 085.8: SPARTACOTE WB Epoxy Primer
- DS: 087.5: SPARTACOTE Moisture Vapor Barrier
- DS 615.0: SPARTACOTE SL Topping
- DS 623.0: SPARTACOTE Surface Build Quartz
- DS 623.1: SPARTACOTE Surface Build Flake

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