SPARTACOTE™ Vertical HB

DS-622.8-0419

Globally Proven Construction Solutions



1. PRODUCT NAME
SPARTACOTE™ Vertical HB

2. MANUFACTURER
LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION
SPARTACOTE Vertical HB is a multi-functional, pigmented high build novolac epoxy coating, for interior wall and ceiling applications. Its available in a white gloss finish.

Uses
- Clean rooms
- Food & Beverage Processing Facilities
- Commercial Kitchens
- Warehouses/Storage Areas
- Manufacturing & Waste Water Treatment Plants
- Maintenance Garages
- Pharmaceutical & Research Facilities
- Health Care Facilities
- Restrooms & Shower areas
- Animal housing and research labs

Advantages
- Excellent as a wall & ceiling coating
- USDA compliant (FDA/CFSAN U.S. Food Code 6.101.11 Surface Characteristics)
- Provides excellent chemical resistance and film integrity
- Excellent stain resistance
- Low odor, low VOC's

Suitable Substrates
- Concrete
- CMU
- Gypsum Wallboard
- Metal
- Cement Backer Board

Packaging
- 9809-0005-2 Full Kit: 5 gal (18.9L) kit
- Part A: 3.7 gal (14.0L) in a 5 gal pail
- Part B: 1.3 gal (4.9L) in a 3.5 gal pail

Approximate Coverage

6-8 mils (0.15-0.2 mm)	200-250 ft^2/gal (4.9-6.1 m^2/L)

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 50ºF (10ºC) and 90ºF (32ºC)
- Ambient relative humidity must not exceed 90%
- Substrate temperature must be 5ºF (3ºC) 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.
- Wear protective gloves, protective 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

10 g/L

Physical Properties

Test	Test Method	Results
Taber Abrasion	ASTM D4060	92 mg
Specular Gloss Factor	ASTM D523	85-90
Flame Spread	ASTM D635	0.5 mm / self-extinguishing
Tensile Bond Strength	ASTM D7234	Cohesive failure of concrete

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 Vertical HB. 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 Vertical HB.

Mixing - by Volume

SPARTACOTE Vertical HB Pt A: 128 fl.oz. (3.8L)
SPARTACOTE Vertical HB Pt B: 48 fl.oz. (1.4L)

Prior to mixing, mechanically mix Part A separately for 1-2 minutes to disperse any pigments or fillers which may have settled. Mix Part A with Part B for 2-3 minutes until a uniform color and consistency is achieved.

Application - Brush/Roller/Squeegee

SPARTACOTE Vertical HB may be applied by brush, roller or squeegee. Suggested application thickness per coat is 6-8 mils (0.15-0.2 mm). Spread evenly over all primed surfaces and backroll with a short nap roller to level.

For best results, a total dry film thickness of 12-16 mils is recommended. To achieve this, two coats of SPARTACOTE Vertical HB is required. After the first coat has cured tack free, approximately 10-12 hours at 75°F (24°C), apply a second coat of SPARTACOTE Vertical HB evenly at 6-8 mils (0.15-0.2 mm).

Application - Spraying

Ensure proper PPE is utilized when spraying. SPARTACOTE Vertical HB is a high solids viscous coating and may require adjustments in spray techniques to achieve the desired finish texture. The following spray equipment has been found suitable for spray application.

- Pump Ratio: 40:1 ratio
- GPM Output: 2.3 gpm (8.7 L/min)
- Hose Material: 1/2" I.D. (12.7 mm)
- Tip Size: 0.015"-0.021" (0.381-0.533 mm)
- Output PSI: 3000-4000 psi (20.7-27.6 MPa)
- Filter Size: 60 mesh
- Gun: Grayco Flex Plus

To aid in spray application, anti-stick fluoropolymer packings are recommended and can be purchased from the pump manufacturer. Heated plural component spray equipment or thinning will also aid in the application of SPARTACOTE Vertical HB.

To optimize intercoat 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.

Cure Cycle

Temperature	Working Time	Cure Time	Min. Re-Coat Time	Max. Re-Coat Time
50°F (10°C)	75 Minutes	96 Hours	16-80 Hours	120 Hours
75°F (24°C)	50 Minutes	24 Hours	10-20 Hours	72 Hours
90°F (32°C)	25 Minutes	20 Hours	6-8 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 622.6: SPARTACOTE General Primer
- DS 623.3: SPARTACOTE Epoxy Fill Coat
- 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

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