



SPARTACOTE™ Vertical HB

DS-622.8-0620

**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
- Cement Backer Board
- Wall Board
- Metal

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

WFT	DFT	Coverage
6.0 mils (0.15 mm)	5.9 mils (0.15 mm)	250 ft ² /gal (6.1 m ² /L)
8.0 mils (0.20 mm)	7.9 mils (0.20 mm)	200 ft ² /gal (4.9 m ² /L)

WFT = Wet Film Thickness

DFT = Dry Film Thickness

Coverage values are approximate and will vary based on surface condition, preparation methods and application technique.

Shelf Life

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

Limitations

- Substrate temperature 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 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.
- Causes severe skin burns. 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 (as intended for use)

Physical Properties

Property	Test Method	Result
Adhesion	ASTM D7234	>300 psi (>2.1 MPa) Substrate Failure
Abrasion Strength	ASTM D4060	92 mg weight loss (1000 cycles C17 Wheel)
Specular Gloss	ASTM D523	85-90

Working Properties

Property	Temperature	Value
Mix Ratio	---	See section 5. INSTALLATION
Working Time	50°F (10°C)	75 minutes
	75°F (24°C)	50 minutes
	90°F (32°C)	25 minutes
Minimum Re-Coat Time	50°F (10°C)	16-18 hours
	75°F (24°C)	10-20 hours
	90°F (32°C)	6-8 hours
Maximum Re-Coat Time	50°F (10°C)	120 hours
	75°F (24°C)	72 hours
	90°F (32°C)	48 hours
Cure Time	50°F (10°C)	96 hours
	75°F (24°C)	24 hours
	90°F (32°C)	20 hours

Working properties based on stated temperature and 50% RH. Changes in ambient conditions may cause times to vary.

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)

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.

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:

- DS 230.13: 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 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

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