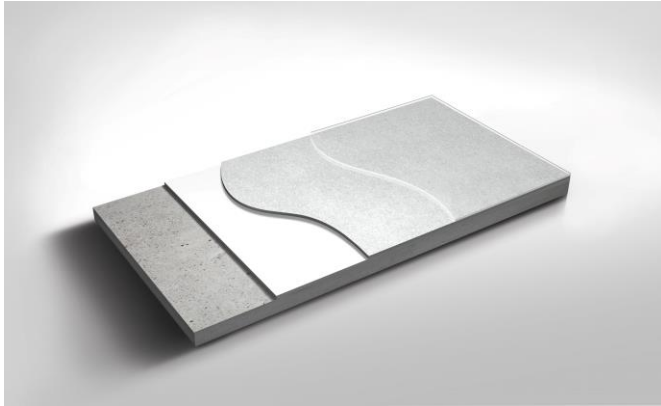




SPARTACOTE™ High-Yield System

Light Maximizing System



The SPARTACOTE™ High-Yield system is a high-performance coating system designed to maximize light reflectance and increase energy efficiency in horticultural and cannabis production facilities. It creates a seamless, durable and sanitary floor requiring minimal maintenance. Built utilizing SPARTACOTE FLEX PURE™, this low VOC, low odor system is ideal for interior applications and is UV stable. Typically installed at a nominal thickness of 24 mils, it consists of a white base coat, white mid coat incorporating SPARTACOTE Lux Additive (Patent Pending) and a clear topcoat with Clinical Plus silver ion antimicrobial technology*.

SPARTACOTE High-Yield systems can be combined with SPARTACOTE Cove Gel to create an integral cove for seamless transitions between walls and floors. For protection against moisture vapor, SPARTACOTE Moisture Vapor Barrier or LATICRETE® VAPOR BAN™ ER are to be used as a base coat.

*Antimicrobial technology protects the treated article against mold and mildew deterioration. Antimicrobial technology is not designed to replace normal cleaning practices or protect users.

Advantages

- Maximized light reflectance
- Increased energy efficiency
- Rapid return to service
- Low VOC, low odor
- Ease of maintenance and cleaning
- Excellent durability – stain, chemical & abrasion resistant
- Clinical Plus silver ion antimicrobial technology
- USDA compliant (FDA/CFSAN U.S. Food Code 6.101.11 Surface Characteristics)

Typical Uses

- Cultivation facility floors & walls
- Clone rooms
- Vegetative rooms
- Flower rooms
- Greenhouse floors

Industries

- Cannabis Cultivation Facilities
- Horticultural Facilities
- Indoor Farming & Grow Facilities
- Vertical Farms
- Container Farms
- Hydroponic & Aquaponic Farms
- Greenhouses

Performance Properties

Properties	Results
Light Reflectance	x21 increase in Lumens [^]
	56% increase in PPFDA [^]

[^] vs uncoated concrete

Physical Properties

Properties	Test	Results
Adhesion	ASTM D4541	>300 psi - Concrete Failure (>2.1 MPa)
Tensile	ASTM D2370	3,100 psi (21.4 MPa)
Elongation	ASTM D2370	3.2%

Abrasion Resistance	ASTM D4060	48 mg/cycle
Impact Resistance	ASTM D5420	70 in-lb (7.9 Nm)
Hardness D-Shore	ASTM D2240	27.5
Service Temp. Range	---	-30°F to 150°F (-34°C to 65°C)
Incidental Contact Temp.	---	Up to 300°F (149°C)
VOC	ASTM D3960	<100 g/L
Chemical Resistance	---	Excellent See SPARTACOTE Chemical Resistance Chart



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System Build

Prime Coat: SPARTACOTE FLEX PURE (White) – 8 mils WFT
(Optional) LATICRETE VAPOR BAN ER
(Optional) SPARTACOTE Moisture Vapor Barrier
Mid Coat: SPARTACOTE FLEX PURE (White) with SPARTACOTE LUX Additive – 8 mils WFT
Topcoat: SPARTACOTE FLEX PURE Clinical Plus (Clear) – 8 mils WFT

Finish

SPARTACOTE High-Yield is a seamless white high gloss system.

To increase the traction of SPARTACOTE High-Yield systems, optional traction additives such as SPARTACOTE GRIP Traction Additive may be incorporated into the topcoat.

Surface Preparation

Proper surface preparation practices shall be followed to ensure the successful installation of SPARTACOTE High-Yield systems.

The SPARTACOTE High-Yield system creates a seamless, non-porous coating and does not allow for the passage of moisture vapor emissions from the slab. Moisture vapor evaluation should be performed prior to installation. For protection against moisture vapor or when the relative humidity (RH) in the concrete measures 75% or greater per ASTM F-2170, pigmented SPARTACOTE Moisture Vapor Barrier or LATICRETE® VAPOR BAN ER are to be used as a base coat.

Surfaces to be coated must be thoroughly cleaned and mechanically profiled prior to application of the system. Refer to applicable product data sheets and installation guides for detailed surface preparation requirements.

Application

SPARTACOTE High-Yield systems are to be installed by trained professionals only. SPARTACOTE High-Yield system is a three coat system typically installed at a nominal thickness of 24 mils WFT. Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use. Contact LATICRETE directly for specifics on effective application techniques.

Notes

Mock-ups and field test areas are required in order to validate performance and appearance relate 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. Additional coats, shading or evening application may be required.

Maintenance

The long term performance, appearance and life expectancy of the SPARTACOTE High-Yield system is critically dependent upon a good routine maintained program. See “TDS 420: SPARTACOTE Floor Maintenance Guide” for best practices.

Technical Assistance

Information is available by calling:

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 www.laticrete.com.

Filing System

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty
- DS 36637: SPARTACOTE LUX Additive
- DS 086.6: SPARTACOTE FLEX PURE
- DS 087: SPARTACOTE FLEX PURE Clinical Plus
- DS 087.5: SPARTACOTE Moisture Vapor Barrier
- DS 35216: VAPOR BAN ER
- DS 086.7: SPARTACOTE GRIP Traction Additive
- TDS 420: SPARTACOTE Floor Maintenance Guide
- TDS 450: Installation Guideline for Installing SPARTACOTE™ over Existing Tiled Surfaces