



# Low VOC LATICRETE® Products / LEED Certification (LEED v4) TDS 251

LATICRETE International, Inc. produces an assortment of portland cement and epoxy based setting and grouting materials. The LEED Projects program is gaining more popularity with architectural firms and building design groups. The following LATICRETE® product information is to be used for building projects that need to comply with LEED v4 certification.

LATICRETE International, Inc., the world leader in tile and stone installation materials, has become the first tile and stone installation material manufacturer to receive UL GREENGUARD Gold certification for their products. For specific information regarding which products and systems are UL GREENGUARD Gold certified please visit our web site at <https://laticrete.com/en/innovation-and-impact/green-leed/greenguard-certified-products>.

For all of your job specific LEED certifications of LATICRETE products, please visit <https://laticrete.com> to access the LATICRETE LEED Project Certification Assistant.

LATICRETE International, Inc. packaging and most of the products, do not contain any post-consumer or pre-consumer recycled content. LATICRETE plastic bags and buckets are recyclable and may help contribute to LEED Materials and Resources Credit - Construction and Demolition Waste Management.

125 TRI-MAX contains 36% post-consumer recycled content, and 170 Sound & Crack Isolation Mat contains 89.5% post-consumer recycled content. Several LATICRETE thin-set mortars and self-leveling underlayments also contain pre-consumer recycled content. These products will contribute to LEED Materials and Resources Credit – Building Product Disclosure and Optimization-Sourcing of Raw Materials.

LATICRETE products may help contribute to the following LEED v4 Credits (unless otherwise noted);

- Materials and Resources Credit – Building Product Disclosure and Optimization-Environmental Product Declarations
- Materials and Resources Credit – Building Product Disclosure and Optimization-Sourcing of Raw Materials
- Materials and Resources Credit – Building Product Disclosure and Optimization –Material Ingredients
- Materials and Resources Credit – Construction and Demolition Waste Management
- Materials and Resources Credit – Building Life-Cycle Impact Reduction
- Indoor Environmental Quality Credit – Construction Indoor Air Quality Management Plan
- Indoor Environmental Quality Credit – Low-Emitting Materials
- Indoor Environmental Quality Credit – Indoor Air Quality Assessment (Option 2 Air Testing)

Most LATICRETE portland cement and sand based products are manufactured at our local facilities. Many of the raw materials used to manufacture these products supplied are sourced from within a 100 mile (162 km) radius. The LATICRETE International Inc. facility locations are as follows:

LATICRETE International, Inc. 1 LATICRETE Park North Bethany, CT 06524	LATICRETE International, Inc. 22740 Temescal Canyon Road Corona, CA 92883	LATICRETE International, Inc. 1710 111th Street Grand Prairie, TX 75050
LATICRETE International, Inc. 6769 White Drive West Palm Beach, FL 33407	LATICRETE International, Inc. 4620 West 84 <sup>th</sup> St. Building II, Suite 200 Indianapolis, IN 46268	LATICRETE International, Inc. 1 Laticrete Park South East 299 Industry Dr. Hamlet, NC 28345
LATICRETE International, Inc. 1 Laticrete Park Pacific North West 100 Entek Way Lebanon, OR 97355	LATICRETE International (L&M) 412 Laurel St. Pottstown, PA 19464	

**PORTLAND CEMENT BASED ADHESIVES, UNDERLAYMENTS AND GROUTS:**

The following product materials are of a washed sand (to minimize silica dust) or limestone (unsanded) and portland cement product with no VOC content. Since the product is a sand and portland cement blend the hardened, cured product can be disposed of as a crushed, recyclable aggregate.

<b>Product Name</b>	<b>VOC Content</b>
<b>1500</b> Sanded Grout † ♡	0.00 g/L ^
<b>1600</b> Unsanded Grout † ♡	0.00 g/L ^
PERMACOLOR® Grout † ♡	0.00 g/L ^
PERMACOLOR Select † ♡ United States Invention Patent No: 6,784,229 (and other Patents)	0.00 g/L ^
PERMACOLOR Select NS ♡	0.00 g/L ^
MVIS™ Pointing Mortar ♡	0.00 g/L ^
MVIS Premium Pointing Mortar ♡	0.00 g/L ^
<b>226</b> Thick Bed Mortar †	0.00 g/L ^
<b>3701</b> Fortified Mortar †	0.00 g/L ^
<b>3701</b> Lite Mortar †	0.00 g/L ^
<b>3701</b> Lite Mortar R †	0.00 g/L ^
MVIS Premium Mortar Bed †	0.00 g/L ^
MULTIMAX™ LITE † *	0.00 g/L ^
<b>254</b> Platinum † *	0.00 g/L ^
<b>254R</b> Platinum Rapid *	0.00 g/L ^
<b>257</b> Titanium † *	0.00 g/L ^
<b>125</b> TRI-MAX™ *	0.00 g/L ^
<b>253</b> Gold † *	0.00 g/L ^
<b>253R</b> Gold Rapid *	0.00 g/L ^
<b>252</b> Silver † *	0.00 g/L ^
LHT *	0.00 g/L ^
LHT PLUS™ *	0.00 g/L ^
SELECT BOND™	0.00 g/L ^
Glass Tile Adhesive † *	0.00 g/L ^
<b>4-XLT</b> † *	0.00 g/L ^
<b>4-XLT</b> Rapid *	2.56 g/L ^
TRI-LITE™ † *	0.00 g/L ^
<b>272</b> Mortar † *	0.00 g/L ^
<b>317</b> Mortar † *	0.00 g/L ^
MVIS Veneer Mortar † *	0.00 g/L ^
MVIS Hi-Bond Veneer Mortar † *	0.00 g/L ^
MVIS Hi-Bond Rapid Veneer Mortar *	0.00 g/L ^
MVIS LIGHTWEIGHT Mortar *	0.00 g/L ^
MVIS Thin Brick Mortar *	0.00 g/L ^
<b>209</b> Floor Mud	0.00 g/L ^
<b>NXT</b> ™ Level Plus † ♦	0.00 g/L ^
<b>NXT</b> Level ♦	0.00 g/L ^
<b>NXT</b> Patch	0.00 g/L ^
<b>NXT</b> Skim	0.00 g/L ^
<b>NXT</b> Level DL † ♦	0.00 g/L ^
<b>NXT</b> Level SP ♦	0.00 g/L ^
LATICRETE® SUPERCAP® SC500 (Concentrate) † ♦	0.00 g/L ^
LATICRETE SUPERCAP SC500 (Sanded) † ♦	0.00 g/L ^
LATICRETE SUPERCAP SC500 Plus ♦	0.00 g/L ^
LATICRETE SUPERCAP SC500 LW ♦	0.00 g/L ^
LATICRETE SUPERCAP SC650-MC ♦	0.00 g/L ^
LATICRETE SUPERCAP Skimcoat	0.00 g/L ^

**ADDITIVES / PRIMERS:**

The following additives have negligible VOC content.

NOTE: The following products are manufactured at our Bethany, CT location with some possibly manufactured in our Grand Prairie, TX facility. LATICRETE PRIME N' BOND is manufactured in North East OH.

Product Name	VOC Content
3701 Mortar Admix †	<2.39 g/L ^
333 Flexible Additive	<2.39 g/L ^
PRIME N' BOND	0.9 g/L °
NXT™ Primer †	7.00 g/L ^
LATICRETE® SUPERCAP® Primer Plus †	7.00 g/L °
Fracture Ban™ Primer	7.00 g/L °
STRATA_HEAT™ Thermal Pack	0.00 g/L ^

**MEMBRANES:**

The following membrane products have negligible VOC content.

NOTE: The following products are manufactured at our Bethany, CT location (except for HYDRO BAN® Sheet Membrane, STRATA\_MAT™ and STRATA\_MAT XT).

Product Name	VOC Content
HYDRO BAN® †	2.39 g/L *
HYDRO BAN Quick Cure †	20.00 g/L *
MVIS™ Air & Water Barrier †	2.39 g/L *
9235 Waterproofing Membrane † (Tested per EPA Method 24)	2.39 g/L *
FRACTURE BAN™ SC	2.39 g/L *
STRATA_MAT™ †	N/A
STRATA_MAT XT	N/A
HYDRO BAN Sheet Membrane	N/A
HYDRO BARRIER™	2.39 g/L *
9237 Waterproofing Membrane	2.39 g/L *
LATAPOXY® Waterproof Flashing Mortar	3.36 g/L *

**EPOXY PRODUCTS:**

The following epoxy products have negligible VOC content.

NOTE: The following products are manufactured at our Bethany, CT location.

Product Name	VOC Content
LATAPOXY 300 Adhesive †	0.80 g/L ^
LATAPOXY BIOGREEN™ 300 Adhesive	18.00 g/L ^
LATAPOXY 310 Stone Adhesive	<0.65 g/L ^
LATAPOXY 310 Rapid Stone Adhesive	<1.01 g/L ^
NXT Vapor Reduction Coating †	9.4 g/L □
SPARTACOTE Moisture Vapor Barrier †	9.4 g/L □
LATICRETE SUPERCAP Moisture Vapor Control †	9.4 g/L □
VAPOR BAN Primer ER	55 g/L
NXT™ Epoxy Primer	36.00 g/L °
SPECTRALOCK® DAZZLE™	0.00 g/L ^
SPECTRALOCK 2000 IG †	0.80 g/L ^
SPECTRALOCK PRO Premium Grout †	0.031 g/L ^
United States Invention Patent No.: 6,881,768 (and other Patents)	
SPECTRALOCK PRO Premium Translucent Grout †	59 g/L ^
United States Invention Patent No.: 6,881,768 (and other Patents)	
SPECTRALOCK PRO Grout †	
United States Invention Patent No.: 6,881,768 (and other Patents)	0.031 g/L ^

**MASTIC & READY-TO-USE Grout:**

The following products are organic based adhesives.

Product Name	VOC Content
15 Premium Mastic	35.95 g/L ^
SPECTRALOCK 1 †	0.00026 g/L ^
READY-TO-USE Grout (Sanded / Translucent)	42 g/L / 35 g/L

**SEALANT:**

The following products are sealants and a primer.

Product Name	VOC Content
Premium Acrylic Caulk	50 g/L #
LATASIL™	37.16 g/L #
LATASIL 9118 Primer	748.17 g/L ~
HYDRO BAN® Adhesive & Sealant	18 g/L +

**SOUND CONTROL:**

NOTE: The following product is manufactured at our Bethany, CT and Grand Prairie, TX locations only.

Product Name	VOC Content
125 Sound & Crack Adhesive †	0.00 g/L ^

**SPARTACOTE:**

Product Name	VOC Content
SPARTACOTE FLEX SB™ (Clear)	330 g/L
SPARTACOTE FLEX XT™	90 g/L <sup>U</sup>
SPARTACOTE FLEX PURE™	61 g/L <sup>U</sup>
SPARTACOTE FLEX PURE CLINICAL PLUS™	61 g/L <sup>U</sup>
SPARTACOTE FLEX SB Low Gloss	340 g/L
SPARTACOTE FLEX SB with any SPARTACOTE Polyaspartic Pigment	266 g/L
SPARTACOTE FLEX XPL	30.1 g/L <sup>U</sup>
SPARTACOTE FLEX XPL CLINICAL PLUS™	30.1 g/L <sup>U</sup>
SPARTACOTE FLEX XPL Low Gloss	85 g/L <sup>U</sup>
SPARTACOTE Epoxy Membrane	20 g/L <sup>U</sup>
SPARTACOTE Surface Build Top Coat UV	15 g/L <sup>U</sup>
SPARTACOTE Vertical HB	10 g/L <sup>U</sup>
SPARTACOTE Epoxy Fill Coat	35 g/L <sup>U</sup>
SPARTACOTE SL Topping	15 g/L <sup>U</sup>
SPARTACOTE Urethane Primer WB	5 g/L °
SPARTACOTE Cove Gel	30 g/L <sup>U</sup>
SPARTACOTE General Primer	15 g/L °
SPARTACOTE Oil Tolerant Primer	15 g/L °
SPARTACOTE Vertical WB	5 g/L <sup>U</sup>
SPARTACOTE Surface Build Quartz	6 g/L <sup>U</sup>
SPARTACOTE Surface Build Flake	15 g/L <sup>U</sup>
SPARTACOTE Urethane Floor Sealer	5 g/L °

**SEALERS (LOW-SOLIDS COATING):**

NOTE: The following Low Solids Coating products are manufactured in West Central CA. Cleaners are not subject to VOC requirements in LEED v4.

Product Name	(Low-Solids) VOC Content including water
STONETECH® Bulletproof® Sealer	12 g/L**
STONETECH Enhancer Sealer	19 g/L**
STONETECH Grout Release	7 g/L**
STONETECH Heavy Duty Grout Sealer	3 g/L**
STONETECH Heavy Duty Exterior Sealer (solvent based)	724 g/L
STONETECH Heavy Duty Sealer	8 g/L**
STONETECH Impregnator Pro® Sealer (solvent based)	748 g/L
STONETECH Natural Stone Countertop Sealer	8 g/L**
STONETECH Quartz & Porcelain Tile Sealer	8 g/L**
STONETECH Salt Water Resistant Sealer	66 g/L**
STONETECH Sealer	2 g/L**
Stone Care Premium Stone Sealer	2 g/L**
Stone Care Granite and Marble Countertop Sealer	2 g/L**
Stone Care Stone Sealer	2 g/L**
Stone Care Salt Water Resistant Sealer	66 g/L**
Stone Care Enhancer & Sealer	19 g/L**
Stone Care Granite and Marble Countertop Polish	23 g/L**

**SEALERS**

NOTE: The following sealer products are manufactured in West Central CA.

Product Name	VOC Content
STONETECH High Gloss Finishing Sealer	80 g/L <sup>∞</sup>
STONETECH Semi Gloss Finishing Sealer	52 g/L <sup>∞</sup>
STONETECH Enhancer Pro (solvent based)	632 g/L
STONETECH Polish (not a coating or sealer)	23 g/L

**STONETECH Cleaners**

The following cleaners are manufactured in West Central CA. Cleaners are not subject to VOC content requirements in LEED v4. Cleaners are subject to Consumer Product VOC percentages and are stated below.

Product Name	VOC Content	Consumer Product VOC %
STONETECH Epoxy Grout & Coating Stripper	526 g/L	11.5%
STONETECH KlenzAll™ Cleaner (Concentrate)	333 g/L	2.8%
STONETECH KlenzAll Cleaner (Ready-To-Use)	359 g/L	0.6%
STONETECH Heavy Duty Coating Stripper	557 g/L	6.4%
STONETECH Heavy Duty Coating Stripper (Canada)	359 g/L	11.7%
STONETECH Mold & Mildew Stain Remover	0.00 g/L	0.0%
STONETECH Oil Stain Remover	639 g/L	51.6%
STONETECH Quartz & Tile Cleaner	692 g/L	1.0%
STONETECH Revitalizer® Cleaner & Protector (Concentrate)	660 g/L	1.9%
STONETECH Revitalizer Cleaner & Protector (Ready-To-Use - Citrus)	369 g/L	0.9%
STONETECH Revitalizer Cleaner & Protector (Ready-To-Use - Cucumber)	369 g/L	0.9%
STONETECH RESTORE™ Acidic Cleaner	0.00 g/L	0.0%
STONETECH Soap Scum Remover	0.00 g/L	0.0%
STONETECH Stainless Steel Pro Cleaner	654 g/L	0.7%
STONETECH Stone & Tile Cleaner (Concentrate)	0.00 g/L	0.0%
STONETECH Stone & Tile Cleaner (Ready-To-Use)	692 g/L	1.0%

**L&M Construction Chemicals:****Low Solids Coatings (Sealers):**

NOTE: Low Solids Coatings product calculations include water.

Product Name	(Low Solids) VOC Content including water
L&M AQUAPEL™	7 g/L**
L&M AQUAPEL PLUS™	10 g/L**
L&M PETROTEX™	7 g/L**

**Sealers:**

Product Name	VOC Content
L&M LUMISEAL FX™	116 g/L
L&M LUMISEAL PLUS™	697 g/L
L&M LUMISEAL WB™	99 g/L <sup>Δ</sup>
L&M LUMISEAL WB PLUS™	40 g/L

**Concrete Curing Compounds & Hardeners:**

Product Name	VOC Content
L&M CHEM HARD™	0.00 g/L <sup>Δ</sup>
L&M E-CON™	63 g/L <sup>Δ</sup>
L&M FGS HARDENER PLUS™	0.00 g/L <sup>Δ</sup>
L&M CURE™	0.00 g/L <sup>Δ</sup>
L&M CURE R™	305 g/L
L&M CURE R RED DYE™	305 g/L
L&M CURE R2™	325 g/L
L&M CURE W	1.1 g/L <sup>Δ</sup>
L&M CURE W2	0.9 g/L <sup>Δ</sup>
L&M LION HARD®	6.1 g/L <sup>Δ</sup>
L&M SEAL HARD®	0.00 g/L <sup>Δ</sup>

**Concrete Curing & Sealing Compounds:**

Product Name	VOC Content
L&M DRESS & SEAL™	690 g/L
L&M DRESS & SEAL 30™	688 g/L
L&M DRESS & SEAL WB	204 g/L
L&M DRESS & SEAL WB 30™	184 g/L

**Form Release Compounds:**

Product Name	VOC Content
L&M DEBOND®	4.2 g/L <sup>Δ</sup>
L&M DEBOND GOLD™	4.2 g/L <sup>Δ</sup>
L&M EZ STRIP™	4.5 g/L <sup>Δ</sup>

**Emery Topping and Dry-Shake Hardeners:**

The following L&M products are manufactured in Bayville, NJ.

Product Name	VOC Content
L&M EMERYTOP 400™	0.0 g/L
L&M EMERYPLATE FF™	0.0 g/L
L&M QUARTZPLATE FF™	0.0 g/L
L&M TRAP ROCK™	0.0 g/L

**Structural Grouts and Patches:**

The following L&M products are manufactured in Grand Prairie, TX.

Product Name	VOC Content
L&M CRYSTEX®	0.0 g/L
L&M DURACRETE™	0.0 g/L
L&M DURAGROUT™	0.0 g/L
L&M DURAPATCH HIWAY™	0.0 g/L
L&M DURAPATCH INDUSTRIAL™	0.0 g/L
L&M DURAPATCH VOH™	0.0 g/L
L&M DURAPLUG™	0.0 g/L
L&M FASTRAK™	0.0 g/L

**L&M Cleaners:**

The following L&M products are manufactured in Pottstown, PA.

Product Name	VOC Content
L&M CITREX®	111.2 g/L
L&M FGS CONDITIONER	0.00 g/L

**L&M Latex Additive / Primer:**

The following L&M product is manufactured in Pottstown, PA.

Product Name	VOC Content
L&M EVERBOND™	25 g/L <sup>^</sup>

- † UL GREENGUARD Gold certified products. Please visit <https://laticrete.com/en/innovation-and-impact/green-lead/greenguard-certified-products> for UL GREENGUARD Gold certificates.
  - ^ Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1168 (65 g/L less water) **and** Bay Area Air Quality Management District (BAAQMD) Regulation 8, Rule 51 (130 g/L).
  - # Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1168 (250 g/L less water) **and** Bay Area Air Quality Management District (BAAQMD) Regulation 8, Rule 51 (250 g/L).
  - \* Meets the VOC requirements of South Coast Air Quality Management District Rule #1113 (100 g/L less water) and LEED 2009 (v3) Credit 4.2.
  - \*\* Meets the VOC requirements of South Coast Air Quality Management District Rule #1113 (120 g/L including water) and LEED 2009 (v3) Credit 4.2 and LEED v4 Credit Low Emitting Materials as a Low-Solids Coating.
  - ~ Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1168 for Architectural porous sealant primers (775 g/L less water).
  - + Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1168 for Dry Wall and Panel Adhesives (50 g/L)
  - ∪ Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1113 for Industrial Maintenance Coatings (100 g/L less water).
  - ° Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1113 for Primers, Sealers, Undercoaters (100 g/L less water).
  - Δ Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1113 for Concrete Curing Compounds (100 g/L less water).
  - ◊ Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1113 for Form Release Compounds (100 g/L less water).
  - ∞ Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1113 for Tile and Stone Sealers (100 g/L less water).
  - ∨ Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1113 for Waterproofing Sealers (100 g/L less water).
  - ◻ Meets the VOC requirements of South Coast Air Quality Management District (SCAQMD) Rule #1113 for Floor Coatings (50 g/L less water).
  - ♥ Product Specific (Type III) Environmental Product Declaration - Cement Grout for Tile Installation.
  - ♣ Product Specific (Type III) Environmental Product Declaration - Cement Mortar for Tile Installation.
  - ♦ Product Specific (Type III) Environmental Product Declaration – Cement Self-Leveling Underlayment.
- N/A Not Applicable

Technical Data Sheets are subject to change without notice. For latest revision, check our website at [www.laticrete.com](http://www.laticrete.com)  
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