Low VOC LATICRETE® Products / LEED Certification (LEED v4 & v4.1) 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 and LEED v4.1 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, 170.3 Sound & Crack Isolation Mat and 170.5 Sound & Crack Isolation Mat both contain 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 and v4.1 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 84th 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	

VOC Content is determined using EPA Method 24.

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.

Product Name	VOC Content
1500 Sanded Grout † ♦	0.00 g/L ^
1600 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 ^
226 Thick Bed Mortar †	0.00 g/L ^
3701 Fortified Mortar Bed †	0.00 g/L ^
3701 Lite Mortar †	0.00 g/L ^
3701 Lite Mortar R †	0.00 g/L ^
209 Floor Mud	0.00 g/L ^
Quick Cure Mortar Bed †	0.00 g/L ^
MVIS Premium Mortar Bed †	0.00 g/L ^
MULTIMAX™ LITE † ♦	0.00 g/L ^
255 MULTIMAX † ♣	0.00 g/L ^
254 Platinum † ♦	0.00 g/L ^
254R Platinum Rapid ♦	0.00 g/L ^
254 PLATINUM™ PLUS † ♦	0.00 g/L ^
125 TRI-MAX® † ♦	0.00 g/L ^
253 Gold † ♦	0.00 g/L ^
253R Gold Rapid ♦	0.00 g/L ^
252 Silver † ♦	0.00 g/L ^
LHT † ♦	0.00 g/L ^
LHT PLUS™ † ♦	0.00 g/L ^
SURE SET™ LHT	0.00 g/L ^
GLASS TILE ADHESIVE LITE † ♦	0.00 g/L ^
4-XLT † ♦	0.00 g/L ^
4-XLT Rapid ♦	2.56 g/L ^
TRI-LITE™ † ♦	0.00 g/L ^
TRI-LITE Rapid ♦	0.00 g/L ^
272 Mortar † ♦	0.00 g/L ^
317 Mortar † ♦	0.00 g/L ^
Skim Lite †	0.00 g/L ^
MVIS Veneer Mortar † ♦	0.00 g/L ^
MVIS Hi-Bond Veneer Mortar † ♦	0.00 g/L ^
MVIS LIGHTWEIGHT Mortar ♦	0.00 g/L ^
MVIS Lite Wall Float †	0.00 g/L ^
MVIS Thin Brick Mortar ♦	0.00 g/L ^
MVIS Builders Veneer Mortar † ♣	0.00 g/L ^
NXT® LEVEL PLUS † ♦	0.00 g/L ^
NXT LEVEL † ♦	0.00 g/L ^
NXT LEVEL Flow † ♦	0.00 g/L ^
NXT Patch	0.00 g/L ^
NXT LEVEL DL † ♦	0.00 g/L ^
NXT LEVEL SP † ♦	0.00 g/L ^
NXT LEVEL PLUS LITE †	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 ^

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. PRIME N' BOND™ is manufactured in North East OH.

Product Name	VOC Content
3701 Mortar Admix †	<2.39 g/L ^
333 Super Flexible Additive	<2.39 g/L ^
PRIME N' BOND™ †	0.9 g/L ˚
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 XP †	2.39 g/L *
HYDRO BAN Quick Cure †	20.00 g/L *
HYDRO BAN Cementitious Waterproofing †	2.39 g/L *
HYDRO BAN 1	24 g/L *
MVIS™ Air & Water Barrier †	2.39 g/L *
MVIS WCI	23.00 g/L *
Air Barrier C3 †	23.00 g/L *
9235 Waterproofing Membrane †	2.39 g/L *
Blue 92 Anti-Fracture Membrane	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
170.3 Sound & Crack Isolation Mat †	N/A
170.5 Sound & Crack Isolation Mat †	N/A
HYDRO BARRIER PLUS †	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 †	2.00 g/L ^
LATAPOXY BIOGREEN™ **300** Adhesive †	17.00 g/L ^
LATAPOXY **310** Stone Adhesive (Pail)	11.00 g/L ^
LATAPOXY 310 Stone Adhesive (Cartridge)	6.00 g/L ^
LATAPOXY **310** Rapid Stone Adhesive	17.00 g/L ^
VAPOR BAN™ E †	9.40 g/L ▫
VAPOR BAN ER	50.40 g/L
VAPOR BAN Primer ER	55.00 g/L
VAPOR BAN Primer W	96.00 g/L
SPECTRALOCK® DAZZLE™	0.00 g/L ^
SPECTRALOCK **2000** IG †	0.80 g/L ^
SPECTRALOCK Cleaning Additive	0.00 g/L
SPECTRALOCK PRO Premium Grout † United States Invention Patent No.: 6,881,768 (and other Patents)	16.00 g/L ^
SPECTRALOCK PRO Premium Translucent Grout † United States Invention Patent No.: 6,881,768 (and other Patents)	59.00 g/L ^

READY-TO-USE Adhesive & Grouts:
The following products are organic based adhesives.

Product Name	VOC Content
15 Premium Mastic	35.95 g/L ^
SPECTRALOCK 1 †	11 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 ~
MVIS™ Flashing Sealant	37.16 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 TRI-MAX® † ♦	0.00 g/L ^

SEALERS (LOW-SOLIDS COATING):
NOTE: The following Low Solids Coating products are manufactured in Monterrey, Mexico.

Product Name	(Low-Solids) VOC Content including water
STONETECH® Bulletproof® Sealer	12 g/L**
STONETECH Heavy Duty Sealer	8 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 Impregnator Pro® Sealer (solvent based)	748 g/L
STONETECH Quartz & Porcelain Tile Sealer	8 g/L**
STONETECH Salt Water Resistant Sealer	66 g/L**
STONETECH Stone, Tile & Grout Sealer	2 g/L**

SEALERS
NOTE: The following sealer products are manufactured in Monterrey, Mexico.

Product Name	VOC Content (excluding water)
STONETECH® Bulletproof® Sealer (PFAS Free)	32 g/L ∞
STONETECH Heavy Duty Sealer (PFAS Free)	23 g/L ∞
STONETECH Enhancer Pro Sealer (PFAS Free)	99 g/L∞
STONETECH High Gloss Finish & Sealer	80 g/L ∞
STONETECH Semi Gloss Finish & Sealer	52 g/L ∞
STONETECH Enhancer Pro™ Sealer (solvent based)	632 g/L

CLEANER / RESEALERS
NOTE: The following sealer products are manufactured in Monterrey, Mexico. VOC Content values are for both Citrus and Spring Rain scents)

Product Name	VOC Content (excluding water)
STONETECH® Revitalizer® Cleaner & Protector – Concentrate (PFAS Free)	11 g/L ∞
STONETECH Revitalizer Cleaner & Protector – Ready-to-Use (PFAS Free)	1.8 g/L ∞

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**

CONCRETE SEALERS:

Product Name	VOC Content
L&M™ LUMISEAL FX™	116 g/L

CONCRETE CURING COMPOUNDS:

Product Name	VOC Content
L&M™ CHEM HARD™	0.00 g/L$^{\Delta}$
L&M E-CON™	63 g/L$^{\Delta}$
L&M FGS HARDENER PLUS™	0.00 g/L$^{\Delta}$
L&M CURE™	0.00 g/L$^{\Delta}$
L&M CURE W™	1.1 g/L$^{\Delta}$
L&M CURE W2™	0.9 g/L$^{\Delta}$
L&M LION HARD®	6.1 g/L$^{\Delta}$
L&M SEAL HARD®	0.00 g/L$^{\Delta}$

Concrete Curing & Sealing Compounds:

Product Name	VOC Content
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 $^{\triangle}$
L&M DEBOND GOLD™	4.2 g/L $^{\triangle}$
L&M EZ STRIP™	4.5 g/L $^{\triangle}$

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 Cleaners:

Product Name	VOC Content
L&M PERMAGUARD™ SPS	49.9 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 ^

† UL GREENGUARD Gold certified products. Please visit https://laticrete.com/en/innovation-and-impact/green-leed/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, current version (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) as well as LEED v4 and v4.1 Credit Low Emitting Materials for waterproofing sealers.

** Meets the VOC requirements of South Coast Air Quality Management District Rule #1113 (120 g/L including water) as well as LEED v4 and v4.1 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 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 Floor Coatings (50 g/L less water).

♣ Industry-Wide Environmental Product Declaration.

♦ Product Specific (Type III) Environmental Product Declaration.

N/A Not Applicable

Technical Data Sheets are subject to change without notice. For latest revision, check our website at https://laticrete.com

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