



Proud Member Since 2001

BUILDING TRUST



Sika Corporation USA
201 Polito Avenue
Lyndhurst, NJ 07071 USA

**LEED® 2009 CREDIT CONTRIBUTION
REFURBISHMENT / SEALING & BONDING PRODUCTS**

June 7, 2018

Dear Valued Sika Customer:

Thank you for your inquiry concerning LEED® (Leadership in Energy and Environmental Design) credits. There are still many projects based on LEED 2009; but there is an increasing number of projects now requiring information based on LEED v4. LEED v4 was published in November 2013; projects seeking LEED certification and registered after October 2016 require LEED v4. This letter addresses LEED 2009; we have a separate letter that addresses LEED v4.

There are up to four possible credits for the LEED® 2009 rating system that apply to our products and are further described below. Always refer to the specific LEED® literature for details concerning credits and when they can be taken. As on all projects, LEED 2009 credits awarded for construction products should be reviewed, determined and/or approved by the authorized LEED Accredited Professional.

Section MR (Materials and Resources), Credit 5.1 Regional Materials - This credit relates to products manufactured within 500 miles of the building site location. The manufacturing sites of Sika products are:

Archie, Missouri 64701 USA

- Cementitious Repair Mortars and Grouts

Bayville, New Jersey 08721 USA

- Cementitious Repair Mortars and Grouts

Bensalem, Pennsylvania 10920 USA

- Cementitious Repair Mortars and Grouts

Conyers, Georgia 30013 USA

- Cementitious Repair Mortars and Grouts

Dixon, California 95620 USA

SIKA CORPORATION USA

201 Polito Avenue · Lyndhurst, NJ 07071 · USA

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- Cementitious Repair Mortars and Grouts

Manufacturing Sites (continued)

Fairless Hills, Pennsylvania 19030 USA

- Cementitious Repair Mortars and Grouts

Lakewood, New Jersey 08701 USA

- Single and Multi-component Silicone Joint Sealants

Lyndhurst, New Jersey 07071 USA

- Single Component Polyurethane Joint Sealants

Marion, Ohio 43302 USA

- Multi-component Polyurethane Joint Sealants
- Acrylic Façade Coatings
- Epoxy Resins
- Cementitious Repair Mortars & Grouts
- Industrial Flooring Products
- Polyurethane Liquid Applied Membrane Products (i.e. Sikalastic RoofPro)
- Polyurethane Traffic Coatings [i.e. Sikalastic DeckPro (300 Series)]

Milpitas, California 95035 USA

- Cementitious Repair Mortars and Grouts

Santa Fe Springs, California 90670 USA

- Cementitious Repair Mortars and Grouts
- High Molecular Weight Methacrylates (HMWM)
- Polyurethane Traffic Coatings [i.e. Sikalastic DeckPro (700 Series)]
- Single Component, Bitumen Modified, Waterproofing Membranes

Pointe Claire, Quebec H9R 4A9 Canada

- Industrial Flooring Products
- Chemical Resistant Coatings / Liners
- Multi-component Polyurea Control Joint Fillers



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Refer to current LEED® 2009 literature and this specific credit for details and confirm your site is within 500 miles of our manufacturing facility. Due to the competitive nature of the construction marketplace, locations of extracting or harvesting of proprietary raw chemical ingredients comprising individual product formulations will not be divulged.

For listed products preceded with an asterisk (*), please contact Sika as the production location may not be listed above.

Section EQ (Indoor Environmental Quality), Credit 4.1 - This section pertains to VOC limits of sealants, primers and adhesives relative to standards set by the South Coast Air Quality Management District (SCAQMD) Rule #1168 requirements and the Bay Area Air Quality Management District Regulation 9 (BAAQMD), Rule 51 requirements. VOC Content values of applicable Sika products (i.e. sealants, primers, adhesives and coatings) are listed on the following pages.

Sealants (all colors unless otherwise specified)

V.O.C. Content

*Sika Boom	≤ 165 g/l
*Sika Duoflex NS	0 g/l
*Sika Duoflex SL	0 g/l
Sika Loadflex-524 EZ	≤ 10 g/l
Sikadur 51 NS	≤ 94 g/l
Sikadur 51 SL	≤ 38 g/l
Sikadur 58 CJR	≤ 93 g/l
Sikaflex (PRO SELECT) Concrete Fix	≤ 40 g/l
Sikaflex + (PRO SELECT) Concrete Fix	≤ 40 g/l
Sikaflex (PRO SELECT) Construction Sealant	≤ 40 g/l
Sikaflex + (PRO SELECT) Construction Sealant	≤ 40 g/l
Sikaflex (PRO SELECT) Crack Flex Sealant	≤ 33 g/l
Sikaflex + (PRO SELECT) Crack Flex Sealant	≤ 33 g/l
Sikaflex (PRO SELECT) Mortar Fix	≤ 40 g/l
Sikaflex + (PRO SELECT) Mortar Fix	≤ 40 g/l

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Sealants (continued)

V.O.C. Content

Sikaflex (PRO SELECT) Self-Leveling Sealant	≤ 33 g/l
Sikaflex + (PRO SELECT) Self-Leveling Sealant	≤ 33 g/l
Sikaflex Textured Sealant	≤ 40 g/l
Sikaflex-1a	≤ 40 g/l
Sikaflex-1a +	≤ 8 g/l
Sikaflex-1c SL	≤ 33 g/l
Sikaflex-15 LM	≤ 33 g/l
Sikaflex-2c Color Pak	≤ 23 g/l
Sikaflex-2c NS	≤ 19 g/l
Sikaflex-2c NS EZ Mix	≤ 50 g/l
Sikaflex-2c EZ Mix Booster	0 g/l
Sikaflex-2c NS TG (additive only)	≤ 403 g/l
Sikaflex-2c SL	≤ 38 g/l
*SikaHyflex-150 LM	≤ 12 g/l
*SikaHyflex-407 EverFlash Universal	≤ 19 g/l
Sikasil-GP (Clear & all colors other than Red)	≤ 29 g/l
Sikasil-GP High Temp. Red	≤ 20 g/l
Sikasil-N Plus US	≤ 37 g/l
Sikasil (PRO SELECT) Builders' Silicone	≤ 36 g/l
Sikasil WS-290	≤ 29 g/l
Sikasil WS-290 FPS	≤ 29 g/l
Sikasil WS-295	≤ 37 g/l
Sikasil WS-295 FPS	≤ 37 g/l
Sikasil-728 NS	≤ 21 g/l
Sikasil-728 RCS	≤ 30 g/l
Sikasil-728 SL	≤ 29 g/l

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Primers

V.O.C. Content

Sika Bonding Primer	≤ 50 g/l
*Sika Concrete Primer	≤ 284 g/l
Sika Concrete Primer Lo-VOC	≤ 96 g/l
*Sika Duoflex 5050 Primer	≤ 50 g/l
Sika Level (PRO SELECT) Primer	≤ 47 g/l
Sika Level-01 Primer	≤ 10 g/l
Sika Level-01 Primer Plus	≤ 36 g/l
*Sika Level-02 EZ Primer	0 g/l
*Sika Level-02 Primer	≤ 10 g/l
*Sika Level-03 Primer	≤ 51 g/l
Sika MB	≤ 24 g/l
Sika MB Redline	≤ 68 g/l
Sika Reactivation Primer	≤ 385 g/l
Sikadur WDE Primer	0 g/l
Sikaflex Primer 260	≤ 879 g/l
Sikaflex Primer 429	≤ 492 g/l
Sikaflex Primer 449	≤ 671 g/l
Sikagard 510	≤ 341 g/l
Sikagard 552W Primer	≤ 40 g/l
Sikalastic DTE Primer	≤ 16 g/l
Sikalastic EP Primer / Sealer	≤ 78 g/l
Sikalastic FTP Primer	≤ 98 g/l
Sikalastic FTP Primer (mixed with water)	≤ 5 g/l
Sikalastic FTP Lo-VOC Primer	≤ 90 g/l
Sikalastic MT Primer	≤ 50 g/l
Sikalastic PF Lo-VOC Primer	≤ 91 g/l
Sikalastic Primer	≤ 96 g/l
Sikalastic Recoat Primer	≤ 100 g/l
Sikalastic-501 Primer	≤ 43 g/l
Sikalastic-502 Primer	≤ 94 g/l
Sikalastic-503 Primer	≤ 25 g/l

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Primers (continued)

V.O.C. Content

Sikalastic-504 Primer	0 g/l
Sikasil Primer-2100	≤ 748 g/l

Adhesives

Reactive Resins

V.O.C. Content

Sika Armatec 110 EpoCem	≤ 50 g/l
*Sika AnchorFix-S (PRO SELECT)	≤ 37 g/l
*Sika AnchorFix-1 (PRO SELECT)	≤ 36 g/l
*Sika AnchorFix-2 Arctic	≤ 22 g/l
*Sika AnchorFix-2 (PRO SELECT)	≤ 43 g/l
*Sika AnchorFix-500	≤ 5 g/l
*Sika AnchorFix-3001	≤ 5 g/l
Sikadur Crack Fix	≤ 22 g/l
*Sikadur (Crack Weld) Capseal	≤ 36 g/l
*Sikadur (Crack Weld) Injection Resin	≤ 5 g/l
Sikadur Hex 300	≤ 4 g/l
Sikadur Injection Gel	≤ 13 g/l
Sikadur 21, Lo-Mod LV	≤ 75 g/l
Sikadur 22, Lo-Mod	≤ 56 g/l
Sikadur 22, Lo-Mod FS	≤ 20 g/l
Sikadur 23, Lo-Mod Gel	≤ 10 g/l
Sikadur 25 Lo-Mod (EPU)	≤ 50 g/l
Sikadur 30	≤ 27 g/l
Sikadur 31, Hi-Mod Gel (1:1 Mix Ratio)	≤ 4 g/l
Sikadur 31, Hi-Mod Gel LPL	≤ 2 g/l
Sikadur 31 SBA (20° - 45° F)	≤ 2 g/l
Sikadur 31, SBA Normal Set (all temperatures)	≤ 3 g/l
Sikadur 31, SBA Slow Set (all temperatures)	≤ 2 g/l

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Reactive Resins (continued)

V.O.C. Content

Sikadur 32, Hi-Mod	≤ 35 g/l
Sikadur 32 Hi-Mod LPL	≤ 55 g/l
Sikadur 33	≤ 3 g/l
Sikadur 35, Hi Mod LV	≤ 22 g/l
Sikadur 35, Hi Mod LV LPL	≤ 61 g/l
Sikadur 35, Hi-Mod LV LPL + Sikadur Pump-Aid	≤ 61 g/l
Sikadur 42, Grout-Pak	≤ 30 g/l
Sikadur 42, Grout-Pak LE	≤ 31 g/l
Sikadur 42, Grout-Pak PT	≤ 3 g/l
Sikadur 43, Patch-Pak	≤ 3 g/l
Sikadur 52	≤ 73 g/l
Sikadur 55 SLV	≤ 13 g/l
Sikadur 55 SLV FS (Fast Set)	≤ 30 g/l
Sikadur 300	< 4 g/l
Sikadur 301	≤ 17 g/l
Sikadur 330 US	≤ 13 g/l
*Sikadur 340	≤ 17 g/l
SikaPronto 19 TF (HMWM)	≤ 238 g/l

Polyurethanes

V.O.C. Content

SikaBond PRO SELECT Construction Adhesive	≤ 43 g/l
SikaBond PRO SELECT Hardscape Adhesive	≤ 43 g/l
*SikaBond PRO SELECT Ultimate Grab	≤ 25 g/l
*SikaBond Universal Adhesive	≤ 49 g/l
SikaBond-T15	≤ 65 g/l
SikaBond-T21	≤ 57 g/l
SikaBond-T35	≤ 60 g/l
SikaBond-T53	≤ 49 g/l
SikaBond-T55	≤ 83 g/l



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Polyurethanes (continued)

V.O.C. Content

SikaBond-T100	≤ 7 g/l
Sikaflex-11 FC	≤ 29 g/l
*Sika MaxTack PRO SELECT Fast Grab Adhesive	≤ 40 g/l

Section EQ (Indoor Environmental Quality), Credit 4.2 - This credit also relates to VOC content and pertains to paints and coatings. VOC values of mixed Sika products are listed below.

Coatings

V.O.C. Content

Sika FerroGard 903	≤ 353 g/l
Sika FerroGard 908	≤ 327 g/l
Sikaflex-102 EverFlash Membrane	≤ 25 g/l
Sikagard Duochem 7500	≤ 45 g/l
Sikagard Duochem 7500 Thixo	≤ 45 g/l
Sikagard Elastic Base Coat (smooth & textured)	≤ 73 g/l
Sikagard FlexCoat	≤ 5 g/l
Sikagard FlexCoat ATC (all colors)	≤ 100 g/l
Sikagard High Gloss Sealer	≤ 90 g/l
Sikagard Natural Look Clear Sealer	≤ 39 g/l
Sikagard 62	≤ 20 g/l
Sikagard 530	≤ 50 g/l
Sikagard 535	≤ 77 g/l
Sikagard 550W Elastocolor	≤ 77 g/l
Sikagard-550 W CA Elastocolor	≤ 42 g/l
Sikagard 570	≤ 77 g/l
Sikagard 600	≤ 50 g/l
Sikagard 616	≤ 50 g/l
Sikagard 664	≤ 30 g/l
Sikagard 670W (pigmented)	≤ 48 g/l
Sikagard 670W Clear	≤ 193 g/l

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Coatings (continued)

V.O.C. Content

*Sikagard 701W	≤ 211 g/l (≤ 46 g/l diluted)
*Sikagard 705 L	≤ 327 g/l
*Sikagard 706 Thixo	≤ 320 g/l
*Sikagard 740 W	≤ 331 g/l
*Sikagard 7600	≤ 78 g/l
*Sikalastic Clearglaze	≤ 360 g/l
*Sikalastic Duochem 390	≤ 10 g/l
*Sikalastic Duochem 391	≤ 10 g/l
*Sikalastic Duochem 394	≤ 10 g/l
Sikalastic 320 NS	≤ 48 g/l
Sikalastic 320 SG	≤ 90 g/l
Sikalastic 320 SL	≤ 46 g/l
Sikalastic 390	≤ 10 g/l
Sikalastic 391	≤ 10 g/l
Sikalastic 394	≤ 10 g/l
Sikalastic 395	≤ 10 g/l
Sikalastic 395 Textured	≤ 10 g/l
Sikalastic-500	≤ 36 g/l
Skalastic-500 Accelerator	0 g/l
Sikalastic-500 Flash	≤ 34 g/l
Sika(lastic 600) PU Accelerator	0 g/l
Sikalastic 601 BC (US)	≤ 212 g/l
Sikalastic 621 TC (US)	≤ 183 g/l
Sikalastic 624 AR (US)	≤ 275 g/l
Sikalastic 624 WP	≤ 209 g/l
Sikalastic 641	≤ 100 g/l
Sikalastic 641 Lo-VOC	≤ 38 g/l
Sikalastic 641 Thixo	≤ 100 g/l
Sikalastic 700 ACL	≤ 10 g/l
Sikalastic 710 Base	≤ 240 g/l
Sikalastic 710 Base Lo-VOC Booster (+ Sikalastic 710 Base Lo-VOC)	≤ 100 g/l

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<u>Coatings (continued)</u>	<u>V.O.C. Content</u>
Sikalastic 710 Lo-VOC	≤ 93 g/l
Sikalastic 710 NP Base	≤ 241 g/l
Sikalastic 715 Lo-VOC Textured	≤ 99 g/l
Sikalastic 715 Lo-VOC Textured (+ Sikalastic 715 Top Booster Lo-VOC)	≤ 94 g/l
Sikalastic 715 Textured Top Coat	≤ 232 g/l
Sikalastic 715 Top	≤ 243 g/l
Sikalastic 715 Top Lo-VOC	≤ 96 g/l
Sikalastic 715 Top Booster Lo-VOC (+ Sikalastic 715 Top Lo-VOC)	≤ 100 g/l
Sikalastic 720 Base	≤ 15 g/l
Sikalastic 720 SG Base	≤ 57 g/l
Sikalastic 735 AL	≤ 258 g/l
Sikalastic 735 AL Tint-Base Neutral	≤ 225 g/l
Sikalastic 735 AL Tint-Base White	≤ 225 g/l
Sikalastic 736 AL Lo-VOC	≤ 99 g/l
Sikalastic 736 AL Lo-VOC Tint-Base Neutral	≤ 99 g/l
Sikalastic 736 AL Lo-VOC Tint-Base White	< 99 g/l
Sikalastic 745 AL Textured	≤ 74 g/l
Sikalastic 748 PA Clear	≤ 100 g/l
Sikalastic 748 PA Pigmented	≤ 95 g/l
SikaTop Seal 107 (both colors)	≤ 20 g/l
SikaTop 144 (both colors)	≤ 10 g/l

In the past, customers have asked about the VOC Content of various concrete refurbishment products that are not sealants, primers, adhesives or coatings.

<u>Repair Mortars</u>	<u>VOC Content</u>
Sika (PRO SELECT) FastFix Rapid Patch	0 g/l
Sika Level (PRO SELECT) Self-leveling Underlayment	0 g/l



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Repair Mortars

VOC Content

Sika Level Rapid Patch	0 g/l
*Sika Level SkimCoat	0 g/l
Sika Level-125	0 g/l
Sika Level-225	0 g/l
Sika Level-315	0 g/l
Sika Level-325	0 g/l
Sika Level-425	0 g/l
Sika Level-525	0 g/l
Sika Level-625	0 g/l
Sika MonoTop 611	0 g/l
Sika MonoTop 615	0 g/l
Sikacem 103	0 g/l
Sikacem 103F	0 g/l
Sikacem 133	0 g/l
Sikacrete 100 CI	0 g/l
Sikacrete 211	0 g/l
Sikacrete 211 F	0 g/l
Sikacrete 211 SCC Plus	0 g/l
*Sikacrete-213F	0 g/l
Sikacrete 321 FS	0 g/l
Sikacrete 421 CI Rapid	0 g/l
*Sikacryl (PRO SELECT) PowerSet	≤ 37 g/l
*Sikacryl (PRO SELECT) Ready-Mix Concrete Patch	≤ 25 g/l
*Sikacryl (PRO SELECT) Ready-Mix Stucco Patch	≤ 25 g/l
Sikadur 72 JNS	≤ 5 g/l
Sikagard 75 EpoCem	0 g/l
SikaGrout 212	0 g/l
SikaGrout 328	0 g/l
SikaGrout 428 FS	0 g/l
SikaGrout 528 SF	0 g/l
SikaQuick FNP	0 g/l



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Repair Mortars (continued)

VOC Content

SikaQuick Smooth Finish	0 g/l
SikaQuick VOH	0 g/l
SikaQuick 1000	0 g/l
SikaQuick 2500	0 g/l
SikaRepair SHA	0 g/l
SikaRepair SHB	0 g/l
SikaRepair 222	0 g/l
SikaRepair 223	0 g/l
SikaRepair 224	0 g/l
SikaSet Mortar	0 g/l
SikaSet Plug	0 g/l
SikaSet Plug W	0 g/l
SikaShot NS	0 g/l
SikaTop 111 PLUS	≤ 20 g/l
SikaTop 121 PLUS	≤ 20 g/l
SikaTop 122 PLUS	≤ 20 g/l
SikaTop 123 PLUS	≤ 20 g/l

Miscellaneous

VOC Content

Sika Intraplast-N	0 g/l
Sika Rugasol-S	≤ 10 g/l
*Sika Drainage Mats	0 g/l
*Sika Fleece	0 g/l
*Sika Flexitape (Light and Heavy)	0 g/l
Sika PRO SELECT (Fence) Post Fix	≤ 2 g/l
*Sika Reemat (Standard and Premium)	0 g/l
Sika ViscoBond Ultimate Fortifier	0 g/l
SikaBond Remover	770 g/l

[(0 g/l – exempt per SCAQMD Rule Paragraph 1171.(g)(2)(G)]



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Miscellaneous (continued)

VOC Content

SikaFilm	≤ 15 g/l
*SikaFix HH Accelerator	≤ 9 g/l
*SikaFix HH Hydrophilic polyurethane grout	0 g/l
*SikaFix HH LV polyurethane grout	≤ 88 g/l
*SikaFix HH+ polyurethane grout	0 g/l
SikaFix HH Pump Flush	0 g/l
SikaGrout Aid	0 g/l
SikaGrout Aid Plus	0 g/l
SikaLatex	≤ 10 g/l
SikaLatex-R	≤ 10 g/l
Sika LiquidWeld	≤ 29 g/l
*SikaSwell S-2	≤ 65 g/l
*SikaWrap 600C ± 45	0 g/l
*SikaWrap FX-50 C	0 g/l
*SikaWrap Hex 100G	0 g/l
*SikaWrap Hex 106G	0 g/l
*SikaWrap Hex 103C	0 g/l
*SikaWrap Hex 103C HM	0 g/l
*SikaWrap Hex 103C -2X	0 g/l
*SikaWrap Hex 113C	0 g/l
*SikaWrap Hex 1200C	0 g/l
*SikaWrap Pre-saturated 100G	≤ 20 g/l
*SikaWrap Pre-saturated 103C	≤ 14 g/l
*SikaWrap Pre-saturated 117C	≤ 14 g/l
*SikaWrap Pre-saturated 430G	≤ 20 g/l

In the past, customers have asked about recycle content.

Section MR (Materials and Resources), Credit 4.1 - This credit relates to recycle content of materials. No credit for Sika products is available for this section (i.e. 0% pre-consumer recycled content / 0% post-consumer recycled content / 0% post-industrial recycled content).



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Regarding the Heat Island Effect of Roofing Products:

Section SS (Sustainable Site), Credit 7.2 - This credit relates to the Heat Island Effect of an albedo and/or light colored roof. Sikalastic RoofPro Systems conform [i.e. topped with Sikalastic 621 TC (US) White (RAL 9016), Sikalastic 641 White (RAL 9016), Sikalastic 641 Thixo White (RAL 9016) or Sikalastic-641 Lo-VOC White (RAL 9016)], having a Solar Reflectance Index (SRI) \geq 78%.

Further LEED® 2009 information is available on the U.S. Green Building Council web site at www.usgbc.org.

Further LEED v4 information is available on the U.S. Green Building Council web site at <https://new.usgbc.org/>

Please refer to the current Product Data Sheets and Safety Data Sheets located on Sika's website at <https://usa.sika.com/> for the latest information about any product.

Thank you for your continued interest in Sika products. Feel free to contact me if you have any questions.

Regards,
Sika Corporation

A handwritten signature in black ink that reads "Timothy Gillespie". The signature is written in a cursive, flowing style.

Timothy Gillespie
Vice President, Product Management

cc: Sika Technical Services Department (Target Market: Refurbishment, Sealing & Bonding)

Trademark

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