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Sika Corporation USA  
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## LEED® V4 CREDIT CONTRIBUTION LIQUID APPLIED ROOFING AND WATERPROOFING

Oct. 9, 2019  
(Updated by Sika Technical Services)

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. Projects seeking LEED® certification and registered after October 2016 require LEED® v4. This letter addresses LEED® v4.

There are up to four possible credits for the LEED® v4 rating system that apply to our products and are further described below. All information concerning LEED® credits was obtained from *LEED v4 for BUILDING DESIGN AND CONSTRUCTION* updated January 11, 2019. Always refer to the specific LEED® literature for details concerning credits and when they can be taken. As on all projects, LEED® v4 credits awarded for construction products should be reviewed, determined and/or approved by the authorized LEED® Accredited Professional.

### **SS Credit: Heat Island Reduction – High-Reflectance Roof**

*Use roofing materials that have an SRI equal to or greater than the values in Table 1. Meet the three-year aged SRI value. If three-year aged value information is not available, use [...] the initial SRI value.*

**Table 1. Minimum solar reflectance index value, by roof slope**

	Slope	Initial SRI	3-year aged SRI
Low-sloped roof	≤ 2:12	82	64
Steep-sloped roof	> 2:12	39	32

- Sikalastic-641 Lo-VOC White (RAL 9016): 108 SRI (initial)
- Sikalastic-621 TC White (RAL 9016): 108 SRI (initial)

### **MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials**

*Use products that meet at least one of the responsible extraction criteria below for at least 25%, by cost, of the total value of permanently installed building products in the project [including:] Recycled content.*

- Sika Fleece 120, 140, 170: 98% recycled content

#### **SIKA CORPORATION USA**

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**MR Credit: Building Product Disclosure and Optimization – Environmental Product Declarations**

*Use at least 20 different permanently installed products sourced from at least five different manufacturers that [have a] Product-specific Type III EPD -- Products with third-party certification (Type III), including external verification in which the manufacturer is explicitly recognized as the participant by the program operator.*

- Sikalastic-641 w/ Fleece: Cradle to Grave
- Sikalastic-641 w/ Reemat: Cradle to Grave
- Sikalastic-644 w/ Fleece: Cradle to Grave
- Sikalastic-644 w/ Reemat: Cradle to Grave
- Sikaflex-1a Cradle to Gate

A copy of all RoofPro EPDs are on our website at:

<https://usa.sika.com/en/construction/liquid-applied-roofing/sustainability.html>

**EQ Credit: Low-Emitting Materials**

*Exterior applied products [...] must meet the VOC limits of California Air Resources Board (CARB) 2007 Suggested Control Measure (SCM) for Architectural Coatings, and South Coast Air Quality Management District (SCAQMD), Rule 1168, effective July 1, 2005.*

<u>Sealants (all colors unless otherwise specified)</u>	<u>V.O.C. Content</u>
Sikaflex-1a	≤ 8 g/l
Sikaflex-11 FC	≤ 29 g/l
Sikaflex-2c Color Pak	≤ 23 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-407 EverFlash Universal	≤ 19 g/l
Sikasil WS-295	≤ 37 g/l

<u>Reactive Resins</u>	<u>V.O.C. Content</u>
Sikadur 22, Lo-Mod	≤ 56 g/l
Sikadur 31, Hi-Mod Gel (1:1 Mix Ratio)	≤ 4 g/l
Sikadur 55 SLV	≤ 13 g/l

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Primers

	<u>V.O.C. Content</u>
Sika Bonding Primer	≤ 50 g/l
Sika Concrete Primer Lo-VOC	≤ 96 g/l
*Sika Duoflex 5050 Primer	≤ 50 g/l
Sika MB	≤ 24 g/l
Sika Reactivation Primer	≤ 385 g/l
Sikalastic DTE Primer	≤ 16 g/l
Sikalastic EP Primer / Sealer	≤ 78 g/l
Sikalastic EP Primer Rapid	≤ 75 g/l
Sikalastic GDC Primer	≤ 24 g/l
Sikalastic MT Primer	≤ 50 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
Sikalastic-504 Primer	0 g/l

Coatings

	<u>V.O.C. Content</u>
Sikaflex-102 EverFlash Membrane	≤ 25 g/l
Sikagard 550W Elastocolor	≤ 77 g/l
Sikagard-550 W CA Elastocolor	≤ 42 g/l
Sikagard 570	≤ 77 g/l
Sikagard 670W (pigmented)	≤ 48 g/l
Sikagard 670W Clear	≤ 193 g/l
Sikalastic Clearglaze	≤ 360 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
Sikalastic-500 Accelerator	0 g/l
Sikalastic-500 Flash	≤ 34 g/l

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Sikalastic-515 AC	≤ 47 g/l
Sikalastic-515 FG	≤ 48 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 WP	≤ 209 g/l
Sikalastic 641 Lo-VOC	≤ 38 g/l
Sikalastic-644 Lo-VOC	≤ 15 g/l
Sikalastic 720 Base	≤ 15 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

Repair Mortars

VOC Content

Sikacrete 211 SCC Plus	0 g/l
SikaQuick VOH	0 g/l
SikaQuick 1000	0 g/l

Miscellaneous

VOC Content

Sika Drainage Mats	0 g/l
Sika Fleece	0 g/l
Sika Reemat	0 g/l
Sika Flexitape (Light and Heavy)	0 g/l

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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/en/construction/liquid-applied-roofing.html> for the latest information about any product.

Thank you for your continued interest in Sika products.

Regards,  
Sika Corporation

Daniel Munt  
Sr. Product Engineer  
Liquid Applied Roofing and Waterproofing

Trademark: LEED® is a registered trademark of the U.S. Green Building Council.