

# Attestation

## LEED v4 and v4.1 BETA

On 20<sup>th</sup> of October 2022, Eurofins Product Testing A/S received a sample of a tile adhesive with the product name:

**SikaCeram®-243 UltraFlex**

supplied by

**SIKA HELLAS ABEE**

The sample was supplied as being representative of the manufactured product, and it has been tested in accordance with the relevant ISO 16000, EN 16516 and, ASTM D2369 testing standards (See test report no. 392-2022-00464201\_G\_EN and no. 392-2022-00464202\_XG\_EN).

**The test results of the tested sample indicate that the product qualifies for LEED v4 and LEED v4.1 BETA (February 2021) projects outside the US by showing compliance with the specifications for VOC emissions and VOC content by complying with:**

**VOC emissions specifications in LEED EQ credit "Low-Emitting Materials" for LEED projects outside the US:**

- The requirements of LEED v4.1 BETA (February 2021) by not exceeding the LCI values mentioned in the German AgBB Testing and Evaluation Scheme (2018), showing an overall R-value below or equal to 1 and having a TVOC according to EN 16516 below or equal to 1,000 µg/m<sup>3</sup>, a sum of VOC without LCI less than 100 µg/m<sup>3</sup> and a formaldehyde emission below or equal to 10 µg/m<sup>3</sup>; all after 28 days.
- The requirements of LEED v4 by complying with:
  - The requirements of EMICODE (EC1 PLUS), version of April 2020, with the additional formaldehyde limit of 10 µg/m<sup>3</sup> after 28 days.

**VOC content specifications in LEED EQ credit "Low-Emitting Materials" for LEED projects globally:**

- The requirements of LEED v4 and LEED v4.1 BETA (February 2021): South Coast Air Quality Management District (SCAQMD) Rule 1168 (2017) for 'Cermic Glass, Porcelain, & Stone Tile Adhesives having a VOC content below 65 g/L.

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Laura Hartung Sørensen  
Analytical Service Manager

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