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## VOC TEST REPORT

### VOC Content

11 November 2022

## 1 Sample Information

|                        |                            |
|------------------------|----------------------------|
| Sample name            | BAXAB, Base / Layer 1      |
| Sample no.             | 392-2022-00422405          |
| Stated production date | A: 01-07-22<br>B: 07-07-22 |
| Batch No.              | A: LOTE 2190<br>B: LOTE 01 |
| Sample reception       | 28/09/2022                 |

## 2 Brief Evaluation of the Results

| Regulation or protocol  | Conclusion | Version of regulation or protocol |
|-------------------------|------------|-----------------------------------|
| SCAQMD Rule 1113        | Pass       | February 2016                     |
| LEED v4.1 (VOC Content) | Pass       | February 2021                     |

Full details based on the testing and direct comparison with limit values are available in the following pages  
Regarding pass/fail decision rule please see appendix



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## 3 Applied Test Methods

### 3.1 General Test References

| Regulation, protocol or standard | Scope                  | Version       |
|----------------------------------|------------------------|---------------|
| SCAQMD Rule 1113                 | Architectural coatings | February 2016 |

### 3.2 Specific Laboratory Sampling and Analyses

| Test           | Regulation, protocol or standard | Version | Internal SOP | Limit of detection<br>[g/L] | Uncertainty U <sub>max</sub><br>% |
|----------------|----------------------------------|---------|--------------|-----------------------------|-----------------------------------|
| Solids Content | ASTM D2369                       | 2020    | 71 M 544830  | 1                           | 10                                |
| VOC            | ASTM D2369                       | 2020    | 71 M 544830  | 1                           | 10                                |
| Density *      | Internal method                  | -       | 71 M 543130  | -                           | 10                                |

### 3.3 Preparation of the Test Specimen

The sample was mixed according to the manufacturers specification. The mixing ratio was 74:26 (A:B). The sample was left to cure for 1 hour before applying a portion of the sample to the test dish.

## 4 Results

### 4.1 VOC content

|                              | Remarks on the test results           | Results | Unit    |
|------------------------------|---------------------------------------|---------|---------|
| Density *                    | Tested by the lab                     | 1.8     | g/mL    |
| Exempt compounds *           | Assumed to be 0                       | 0       | % (w/w) |
| Water content * <sup>1</sup> | Tested by the lab                     | 21      | % (w/w) |
| Solids Content *             | Tested by the lab                     | 84      | % (w/w) |
| VOC content (less water)     | Calculated based on the results above | < 1     | g/L     |

### 4.2 Comparison with Limit Values of VOC Content (less Water)

| Parameter   | Results<br>[g/L] | Product type   | Regulation or protocol | VOC limit<br>[g/L] |
|-------------|------------------|----------------|------------------------|--------------------|
| VOC content | < 1              | Floor Coatings | SCAQMD Rule 1113       | 50                 |

## 5 Appendices

### 5.1 How to Understand the Results

#### 5.1.1 Acronyms Used in the Report

- < Means less than
- > Means bigger than
- \* Not a part of our accreditation
- Please see section regarding uncertainty in the Appendices
- 1 Analysed by another Eurofins laboratory

### 5.2 Description of VOC Content Test

#### 5.2.1 Testing of VOC

Volatile content of the sample was determined gravimetrically by heating to 110 °C in 60 minutes. Multicomponent products are mixed according to the manufacturer's instructions and allowed to cure before heating.

The result is the average of two replicates. The result was calculated as:

$$VOC = \frac{([g \text{ All Volatiles}] - [g \text{ Water}] - [g \text{ Exempt Compounds}])}{([liter \text{ Material}] - [liter \text{ Water}] - [liter \text{ Exempt Compounds}])}$$

#### 5.2.2 Testing of Density

The density was calculated using gravimetric and volumetric determination. The result is the average of three determinations.

### 5.3 Uncertainty of the Test Method

Um(%): The expanded uncertainty Um is equal to 2 x RSD%.

### 5.4 Decision Rules

Eurofins Product Testing A/S, declare statement of conformity based on the "Binary Statement for Simple Acceptance Rule" described in ILAC's "Guidelines on decision Rules and Statements of Conformity" ILAC-G8:09/2019.

This means that results above the detection limit are always reported with two significant digits. Results are evaluated with the same number of significant digits as the corresponding limit values, and conformity is based on results being less than or equal to limit values.

For limit values with more than two significant digits, the third digit will be used to confirm whether a result is below or equal to the limit value. It will always be indicated in the evaluation table if this expanded evaluation is performed.

For further information, please visit [www.eurofins.dk/product-testing/om-os/beslutningsregler/](http://www.eurofins.dk/product-testing/om-os/beslutningsregler/)

### 5.5 Version History

| Report date | Report number                | Modification                                                     |
|-------------|------------------------------|------------------------------------------------------------------|
| 11/11/2022  | 392-2022-00422405_XG_EN_rev1 | Revision of Applicant name.<br>This version is considered valid. |
| 03/11/2022  | 392-2022-00422405_XG_EN      | This version is no longer valid.                                 |