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## VOC TEST REPORT

### VOC Content

11 October 2018

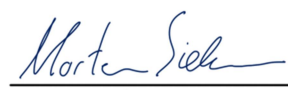
#### 1 Sample Information

Sample name	GIB® Fire Soundseal®
Sample no.	392-2018-00198601
Production date	05/04/2018
Batch No.	KL6-256
Sample reception	22/05/2018

#### 2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
SCAQMD Rule 1168	Pass	January 2005
LEED v4 (VOC Content)	Pass	

Full details based on the testing and direct comparison with limit values are available in the following pages

  
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Consultant  
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Analytical Chemist

### 3 Applied Test Methods

#### 3.1 General Test References

Regulation, protocol or standard	Scope	Version
SCAQMD Rule 1168	Adhesive and sealant applications	January 2005

#### 3.2 Specific Laboratory Sampling and Analyses

Test	Regulation, protocol or standard	Version	Internal SOP	Limit of detection [g/L]	Uncertainty Um±
Solids Content	ASTM D2369	2010	71 M 544830	1	10
VOC	ASTM D2369	2010	71 M 544830	1	10

### 4 Results

#### 4.1 VOC content

	Remarks on the test results	Results	Unit
Density	Supplied by the Customer	1.63	g/mL
Water Content	Supplied by the Customer	23	% (w/w)
Solids Content	Tested by the lab	85.1	% (w/w)
VOC content (less water)	Calculated based on the results above	< 1	g/L
VOC content	Calculated based on the results above	< 0.1	% (w/w)

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

Parameter	Results [g/L]	Product type	Regulation or protocol	VOC limit [g/L]
VOC content	< 1	Multipurpose Construction Adhesives	SCAQMD Rule 1168	70

The results are only valid for the tested sample(s).

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## 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:

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

### 5.3 Uncertainty of the Test Method

The relative standard deviation of the overall analysis is 10%. The expanded uncertainty  $U_m$  equals 2 x RSD. For further information please visit [www.eurofins.dk/uncertainty](http://www.eurofins.dk/uncertainty).