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VOC TEST REPORT

VOC Content

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1 Sample Information

Sample name	Bostik FP 311 Intumescent Graphite
Sample no.	392-2019-00434304
Production date	01-08-2019
Batch No.	123444
Sample reception	28/10/2019

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
SCAQMD Rule 1168	Pass	October 2017
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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3 Applied Test Methods

3.1 General Test References

Regulation, protocol or standard	Scope	Version
SCAQMD Rule 1168	Adhesive and sealant applications	October 2017

3.2 Specific Laboratory Sampling and Analyses

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

3.3 Preparation of the Test Specimen

The sample was homogenised and applied directly onto the test dish.

4 Results

	Remarks on the test results	Results	Unit
Density *	Supplied by the Customer	1.50	g/mL
Water Content *	Supplied by the Customer	404	g/L
Exempt compounds *	Assumed to be 0	0	% (w/w)
Solids Content	Tested by the lab	78.5	% (w/w)
VOC content (less water)	Calculated based on the results above	< 1	g/L
VOC content (less water)	Calculated based on the results above	< 1	% (w/w)

4.1 Comparison with Limit Values of VOC Content (less Water)

Parameter	Results	Product type	Regulation or protocol	VOC limit
	[g/L]			[g/L]
VOC content	< 1	Sealant	SCAQMD Rule 1168	250

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

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