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VOC TEST REPORT

VOC Content

2 September 2021

1 Sample Information

Sample name	V420+ V3
Sample no.	392-2020-00129402
Production date	26-02-2020
Batch No.	79005720
Sample reception	16/03/2020

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
SCAQMD Rule 1168	Pass	October 2017
LEED v4.1 (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
				[g/L]	Um±
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 mixed according to the manufacturers specification. The sample was left to cure for 24 hours before applying a portion of the sample to the test dish.

4 Results

	Remarks on the test results	Results	Unit
Density *	Supplied by the Customer	1.77	g/mL
Water Content *	Supplied by the Customer	5.56	g/L
Solids Content	Tested by the lab	97.4	% (w/w)
VOC content (less water)	Calculated based on the results above	41	g/L
VOC content (less water)	Calculated based on the results above	2.3	% (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	41	Multipurpose construction adhesive	SCAQMD Rule 1168	70

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
- α 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%.

5.4 Version History

Report date	Report number	Modification
02/09/2021	392-2020-00129402_XG_EN_07	Current version.