eurofins | Product Testing

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VOC TEST REPORT
VOC Content

23 May 2018

1 Sample Information

Sample name	Durat Surface Adhesive
Sample no.	392-2018-00181001
Production date	12/04/2018
Batch No.	1841511
Sample reception	08/05/2018

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

The results are only valid for the tested sample(s).
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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	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	1.00	g/mL
Water Content	Supplied by the Customer	0	% (w/w)
Exempt compounds	Assumed to be 0	0	% (w/w)
Solids Content	Tested by the lab	97	% (w/w)
VOC content (less water)	Calculated based on the results above	29	g/L
VOC content	Calculated based on the results above	2.9	% (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	29	Multipurpose Construction Adhesive	SCAQMD Rule 1168	70

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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:

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

5.3 Uncertainty of the Test Method

The relative standard deviation of the overall analysis is 10%. The expanded uncertainty Um equals 2 x RSD. For further information please visit www.eurofins.dk/uncertainty.

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