



Confirmation

Eurofins Product Testing A/S confirms that a sample of a Acrylate Sealant with the name

OTTOSEAL Parkett (A 221)

supplied by

Hermann Otto GmbH

showed low VOC contents in a test as specified in LEED credit EQ 4.1 (adhesives and sealants).

VOC contents were below the limit value specified as 420 grams VOC minus water per liters for Acrylate Sealants.

The test has been performed in October 2010, see test report no. G04822.

Volatiles content was calculated by Eurofins.
Water content was determined by Eurofins.
Solids content was determined by Eurofins.

With this confirmation, use of product OTTOSEAL Parkett (A 221) may qualify for fulfilment of LEED credit EQ 4.1 (adhesives and sealants).

29 October 2010

Inge Bondgaard
Chemical engineer

Eurofins Product Testing A/S
Smedeskovvej 38
DK 8464 Galten / Denmark

Tel +45 70 22 42 76
Fax +45 70 22 42 75

www.product-testing.eurofins.com



Hermann Otto GmbH
 Alois Parzinger
 Krankenhausstr. 14
 83413 Fridolfing
 Germany

Eurofins Product Testing A/S
 Smedeskovvej 38
 DK-8464 Galten
 Denmark

Tel. +45 70 22 42 76
 Fax +45 70 22 42 75
 eurofins@eurofins.dk
 www.eurofins.com/product-emissions

Date
 26 October 2010

Your ref.

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Our ref.
 G04822/IB

Test Report – LEED EQ 4.1 - 2009

Sample material

Sample identification	OTTOSEAL Parkett (A221)
Product type	Acrylate Sealant
Product data, according to manufacturer	Density: 1.26 g/ml at 20 °C
Date received	1 October 2010
Analytical period	October 2010

Methods applied

Method	Principle	Parameter	Detection limit	Uncertainty
Karl Fischer method ASTM D 4017-02	Titration	Water content	0.05 % mass	Max. 3 %
LEED EQ 4.1-2009 ASTM D 2369 - 04	Gravimetric	Volatile/Solid Content of Coatings	1 g/l	0.1 %

Volatile content of the sample was determined gravimetrically by heating up to 110 °C during 60 minutes. The result is the average of triple testing. The result was calculated as:

$$([g \text{ all volatiles}] - [g \text{ water}] - [g \text{ exempt compounds}]) / ([l \text{ material}] - [l \text{ water}] - [l \text{ exempt compounds}])$$

Analytical results

	Solid content, % mass	Water content, % mass	VOC less water less exempt com- pounds, g/l	VOC limit g/l
OTTOSEAL Parkett (A221)	72,2%	28,3	< 1	420 *

* VOC limit for Acrylate Sealant (other Sealants).

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Inge Bondgaard
 Chemical engineer