



# Confirmation

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

## **OTTOCOLL TopFix (A 265)**

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 70 grams VOC minus water per liters for Multipurpose Construction Adhesives.

The test has been performed in October, see test report no. G04823.

Volatiles content was calculated by Eurofins.

Water content was determined by Eurofins.

Solids content was determined by Eurofins.

**With this confirmation, use of product OTTOCOLL TopFix (A 265) may qualify for fulfillment of LEED credit EQ 4.1 (adhesives and sealants).**

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29 October 2010

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Date  
 26 October 2010

Your ref.

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Our ref.  
 G04823/IB

## Test Report – LEED EQ 4.1 - 2009

### Sample material

Sample identification	OTTOCOLL TopFix (A265)
Product type	Adhesive
Product data, according to manufacturer	Density: 1.33 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
<b>OTTOCOLL TopFix (A265)</b>	65,8	36,7	< 1	70 *

\* VOC limit for Multipurpose Construction Adhesives.

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