Confirmation

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

**OTTOSEAL S 110**
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 250 grams VOC minus water per liters for architectural sealants.

The test has been performed in September 2010, see test report no. G04228.

Volatile content was calculated by Eurofins.
Water content was specified by manufacturer.
Solids content was determined by Eurofins.

**With this confirmation, use of product OTTOSEAL S 110 may qualify for fulfilment of LEED credit EQ 4.1 (adhesives and sealants).**

29 October 2010

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Inge Bondgaard
Chemical engineer
Test Report – LEED EQ 4.1 - 2009

Sample material

<table>
<thead>
<tr>
<th>Sample identification</th>
<th>OTTO SEAL S110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product type</td>
<td>Architectural Sealant</td>
</tr>
</tbody>
</table>

Methods applied

<table>
<thead>
<tr>
<th>Method</th>
<th>Principle</th>
<th>Parameter</th>
<th>Detection limit</th>
<th>Uncertainty</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEED EQ 4.1-2009</td>
<td>Gravimetric</td>
<td>Volatile/Solid Content of Coatings</td>
<td>1 g/l</td>
<td>0.1 %</td>
</tr>
<tr>
<td>ASTM D 2369 - 04</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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:

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

Analytical results

<table>
<thead>
<tr>
<th>Sample</th>
<th>Solid content, % mass</th>
<th>Water content, % mass</th>
<th>VOC less water less exempt compounds, g/l</th>
<th>VOC limit g/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTTO SEAL S110</td>
<td>95.4%</td>
<td>0 **</td>
<td>47</td>
<td>250 *</td>
</tr>
</tbody>
</table>

* VOC limit for Architectural Sealants.
** Given by the client.