

# Confirmation

## LEED

On 28 May 2014, Eurofins Product Testing A/S received a sample of an adhesive with the product name:

### CHEMFIX STYREN FREE RESINS

supplied by

### Chemfix Products Ltd

The sample was supplied as being representative of the manufactured product, and it has been tested as a multipurpose construction adhesive in accordance with the relevant ISO 11890-1, ASTM D2369 and EPA method 24 testing standards (See test report no. 392-2014-00095702A/Rev1).

**The test results of the tested adhesive indicate that the product qualifies for LEED 2009 and/or LEED v4 specifications on VOC content by complying with:**

**VOC content specifications in LEED EQ credit "Low-emitting products":**

- the requirements of SCAQMD rule 1168 (2005)

17 June 2014



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Date  
10 June 2014  
Our ref.  
392-2014-00095702A/Rev1

## Test Report – LEED 2009 EQ c4.1, SCAQMD rule 1168 (2005)

### Sample material

Sample identification	CHEMFIX STYREN FREE RESINS
Product type	Multipurpose construction adhesives
Product data, according to manufacturer	Density: 1.61 g/ml at 20 °C ** Water content: 0 g/l** Exempt compounds: none ***
Date received	28 May 2014
Analytical period	30 May 2014 – 10 June 2014

### Methods applied

Method	Principle	Parameter	Detection limit	Uncertainty, U <sub>m</sub> (%)
LEED 2009 EQ c4.1 (Modified)	Gravimetric	Total Volatiles, SCAQMD rule 304	1 g/l	10 %
20 cm sample was dispensed and discarded. Further sample was dispensed in a preweighed dish and allowed to sit for 1 hour (durometer reading > 80). Volatile content of the sample was determined gravimetrically by heating up to 110 °C for 60 minutes. The result is the average of double testing. The result is calculated as: $([g \text{ all volatiles}] - [g \text{ water}] - [g \text{ exempt compounds}]) / ([l \text{ material}] - [l \text{ water}] - [l \text{ exempt compounds}])$				

U<sub>m</sub> (%): The expanded uncertainty U<sub>m</sub> is equal to 2 x RSD%, see also [www.eurofins.dk/uncertainty](http://www.eurofins.dk/uncertainty).

### Analytical results

Solid content, % mass	Water content, % mass	Exempt compounds, % mass	VOC less water less exempt compounds, g/l	VOC limit g/l
99.6 %	0 % **	0 %***	6.8	70 *

\* VOC limit for "Multipurpose construction adhesives"

\*\* Given by the client

\*\*\* No information about exempt compounds. Set to zero.

Eurofins Product Testing A/S

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