

## TEST REPORT: S08CHM06962-Part 1-CSY

Date: 19 JAN 2009

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### **SUBJECT**

Evaluation of Water-Based Coating

### **CLIENT**

ABOLIN CO-PERDIKI BROS OE  
Galaxia 18 Afaia Skaramaga  
Postal code 12462  
Athens  
Greece

Attn : Mr Prokopis Perdikis

### **DESCRIPTION OF SAMPLE**

One bottle of coating sample labeled as follows was received on 29 Dec 2008.

COOL BARRIER FACADE

### **DATE OF TEST**

30 Dec 2008 – 16 Jan 2009



PSB Singapore

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## METHOD OF TEST

The sample was tested in the "as-received" condition.

<u>Test</u>	<u>Method</u>
1) Formaldehyde	The sample was analysed by UV-Vis Spectrophotometer using Acetylacetone as reagent.
2) Mercury, Lead, Cadmium and Chromium	The sample was digested in inorganic acid, followed by analysis using Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).
3) Flash point @ 61°C	By Seta Flash.
4) Volatile organic compound content	By BS EN ISO 11890-2:2006, Paints and varnishes – <i>Determination of content volatile organic compound (VOC) content – Part 2 : Gas-chromatographic method.</i>
5) Halogenated solvent Aromatic solvent Epichlorohydrin	By Gas Chromatograph –Mass Spectrometry (GC-MS).

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**RESULTS**

Table 1 : The Formaldehyde results for "COOL BARRIER FACADE".

Test	Result
Formaldehyde Content	Not Detected <sup>a</sup>

<sup>a</sup> - The method detection limit was 0.1%.

Table 2 : The Elemental results for "COOL BARRIER FACADE".

Test	Result
Mercury	Not Detected <sup>b</sup>
Lead	Not Detected <sup>b</sup>
Cadmium	Not Detected <sup>b</sup>
Chromium	Not Detected <sup>b</sup>

<sup>b</sup> - The method detection limit was 0.01%.

Table 3 : The Flash Point results for "COOL BARRIER FACADE".

Test	Result
Flash point @61°C	No Flash

Table 4 : The Volatile Organic Compound (VOC) content for "COOL BARRIER FACADE".

Test	Result
VOC Content <sup>c</sup>	7.1 g/L

<sup>c</sup> - Volatile organic compound (VOC) means any organic compound having an initial boiling point less than or equal to 250°C measured at a standard pressure of 101,3kPa.

Table 5 : The analytical results for "COOL BARRIER FACADE".

Test	Result
Halogenated solvent	Not Detected <sup>d</sup>
Epichlorohydrin	Not Detected <sup>d</sup>
Aromatic solvent	Not Detected <sup>e</sup>

<sup>d</sup> - The method detection limit was 0.01%.<sup>e</sup> - The method detection limit was 0.1%.**MS CHOO SEOW YAH**  
TECHNICAL EXECUTIVE**DR LIN JIANHUA**  
ASSISTANT VICE PRESIDENT  
MICROCONTAMINATION DIAGNOSIS  
CHEMICAL & MATERIALS

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January 2008