FUGRO TECHNICAL SERVICES LIMITED
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MateriaLab

Report No. : 103470CH103010(1)

Test Report on Analysis of Paint

Information Supplied by Client

Client	:	Master Proofer Co. Ltd.
Client's address	:	Unit I, 8/F, On Ho Ind. Bldg., 17-19 Shing Wan Road, Tai Wai, Shatin, N.T.
Project	:	Material testing
Sample description	:	One sample of Labond EpoxyGuard F760W (two-pack system)
Sample identification	:	-
Test required	:	VOC content for multicomponent coating

Laboratory Information

Lab sample I.D.	:	CH103010/2
Date of receipt of sample	:	26/10/2010
Date test completed	:	29/10/2010
Test method used	:	USEPA Method 24 & SCAQMD Method 303-91 Calculated based on results of a) Volatile content – USEPA Method 24 Section 11.2.2 & ASTM D2369-98 b) Water content – USEPA Method 24 Section 11.2.3 & ASTM D4017-96a c) Coating density – USEPA Method 24 Section 11.2.4 & ASTM D1475-96
Mixing ratio	:	4 parts of Part A to 1 part of Part B by weight

Note : This report refers only to the sample(s) tested.

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Results :

	Result (after mixing)
Volatile content (W_v), %wt	59.90
Water content (W_w), %wt	56.14
Coating density (Dc) @ 25°C, g/ml	1.105
VOC content, g/L	42

Note:

Equation for calculation of VOC:

$VOC = (W_a - W_b - W_c - W_d) / (V_e - V_f - V_g)$

$= (W_a - W_b) / (V_e)$

$= [(W_a / W) - (W_b / W)] * (W / V_e)$

$= [(W_v - W_w) / 100] * (D_c * 1000) = (W_v - W_w) * D_c * 10$

where

W_a is weight of volatile compounds in grams (per unit of mixed sample)

W_b is weight of water in grams (per unit of mixed sample)

W_c is weight of exempt compounds in grams (per unit of mixed sample) and is taken as zero

W_d is weight of VOC_s in grams of any colourant added to tint base (per unit of mixed sample) and is taken as zero

W is weight of paint material in grams (per unit of mixed sample)

V_e is volume of paint material in litres (per unit of mixed sample)

V_f is volume of water in litres (per unit of mixed sample) and is taken as zero

V_g is volume of exempt compounds in litres (per unit of mixed sample) and is taken as zero

Supervised by : K.F. Wong

Certified by :

Approved Signatory: HO Kin Man, John
Manager – Chemical & Environmental

Date : 5/11/2010

Note : This report refers only to the sample(s) tested.