

TEST REPORT: 7191087533-CHM14-01B-PGK_CR2

Date: 23 JUN 2014

Tel: +65 68851322 Fax: +65 67784301

Client's Ref:

Email: tai-hoe.lin@tuv-sud-psb.sg

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SUBJECT

Fluorescent UV Accelerated Weathering Test

CLIENT

Greenply Industries Ltd
1501-1505, Narain Manzil,
23 Barakhamba Road
New Delhi 110001
India

Attn: Mr BL Sharma

SAMPLE SUBMISSION DATE

17 Mar 2014

DATE TEST CONDUCTED

31 Mar to 02 Jun 2014

DESCRIPTION OF SAMPLE

One sample of "Greenlam CLADS™ Exterior Grade Compact Laminates" was submitted by the above client.



Laboratory:
TÜV SÜD PSB Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
E-mail: testing@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
The Franklin, Singapore 118223
TÜV®



METHOD OF TEST

1. EN 438-2 : 2005
 "High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called Laminates) - Part 2 : Determination of properties"
 Clause 28 : Resistance to UV light (Exterior grade laminates)

2. BS EN ISO 4892-3 : 2000
 "Plastics - Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps"

 Operating Cycle : 4 hours UV lights at 60±3°C followed by
 4 hours water condensation at 50±3°C without UV lights

 Light Source : Fluorescent UVB - 313
 Irradiance : 0.71 W/m²/nm
 Test duration : 1,500 hours

3. ISO 105-A02 : 1993
 "Grey scale for change in colour (including half-steps)"
 The Grey Scale for assessing colour change ranges from 1 to 5:
 5 : No perceived difference in colour between the exposed and unexposed portions
 1: Greatest contrast in colour between the exposed and unexposed portions

RESULTS

Sample Description	After 1,500 hours Cyclic Fluorescent UV Lights and Water Condensation Test
"Greenlam CLADS™ Exterior Grade Compact Laminates"	<ul style="list-style-type: none"> - No contrast between the exposed and unexposed test specimens (equal to grade 5 of the grey scale) - No visible change to appearance (Rating 5)

MS PECK GEOK KHOON
 TECHNICAL EXECUTIVE

MRS WONG-LIN TAI HOE
 PRODUCT MANAGER
 COATINGS
 CHEMICAL & MATERIALS

“Greenlam CLADS™ Exterior Grade Compact Laminates”



Figure 1. Before Test

Figure 2. After 1,500 hours Cyclic Fluorescent UV Lights and Water Condensation Test



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July 2011

