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.
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

<table>
<thead>
<tr>
<th>Sample Description</th>
<th>After 1,500 hours Cyclic Fluorescent UV Lights and Water Condensation Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>“Greenlam CLADS™ Exterior Grade Compact Laminates”</td>
<td>- No contrast between the exposed and unexposed test specimens (equal to grade 5 of the grey scale)</td>
</tr>
<tr>
<td></td>
<td>- No visible change to appearance (Rating 5)</td>
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</tbody>
</table>

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