

TEST REPORT: 7191087533-CHM14-01C-CCK

Date: 14 AUG 2014

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Client's Ref:

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SUBJECT

Resistance to artificial 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

28 Mar to 12 Aug 2014

DESCRIPTION OF SAMPLE

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



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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 29 : Resistance to artificial weathering (Exterior grade laminates)
2. EN ISO 4892-2 : 2006
"Plastics - Method of exposure to laboratory light sources - Part 2 : Xenon-arc Sources"

Apparatus used : Atlas Xenotest Beta LM
Operating cycle : 102 mins of light followed by 18 mins of light and water spray

Light source (continuous) : Air-cooled xenon-arc lamps
Filter system : Xenochrome 300 in Suprax cylinder
UV irradiance : 60 W/m² at 300 to 400 nm
Chamber temperature : 38 ± 3°C
Black standard temperature : 65 ± 3°C
Relative humidity : 60 ± 5%
Test duration : 3,000 hours (648 MJ/m²)
3. EN 20105-A02 : 1994
"Grey scale for assessing 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	Resistance to artificial weathering test, 3,000 hours
"Greenlam CLADS™ Exterior Grade Compact Laminates"	- No contrast between the exposed and unexposed test specimens (equal to grade 5 of the grey scale) - No visible change to appearance (Rating 5)

CHUA CHENG KOK
TECHNICAL EXECUTIVE

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



“Greenlam CLADS™ Exterior Grade Compact Laminates”

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July 2011

