

Report No. : PN:EE:1456003160

ISSUE DATE : 22/01/2024



AP LANKA (PVT) LTD
416/5, LEYLAND ROAD
Homagama-10200
LK

CONTACT PERSON : HARSHA DULIP

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION EXTERIOR POWDER COATED EG PLATES

COLOUR RAL 7035

OEM OTHER

COUNTRY OF ORIGIN SRI LANKA

DATE OF REGISTRATION 10/10/2023

TESTING PERIOD : 20/12/2023-14/01/2024

TEST(S) REQUESTED LIGHT RESISTANCE (UV RESISTANCE) TEST

LIGHT RESISTANCE (UV RESISTANCE) TEST**Test Method** : ISO 4892-2:2013/Amd.1:2021 (Method A – Cycle 1)**Test Instrumentation** :

Instrument Name	Instrument Make	Date of calibration	Calibration due date
Weatherometer	ATLAS	12/12/2023	12/06/2024
Spectrophotometer	BYK	11/08/2023	11/08/2024

Test condition : Conducted weathering test as per following conditions:

Black standard temperature	:	65°C±3°C
Chamber Temperature in dry phase	:	38±3°C
Relative Humidity	:	50±10%
Irradiance ((300 nm to 400 nm)	:	60±2 W/m ²
Dry / Rain ratio per cycle	:	102 minutes dry / 18 minutes water spray
Test duration	:	500 hours

**Observation**

:

S. No.	Color scale(s)	Initial	After 250 hrs. of exposure	After 500 hrs. of exposure
1	L*	81.39	80.22	80.15
2	a*	-0.56	-0.43	-0.42
3	b*	2.56	2.95	3.01
4	Delta E* (ΔE^*)	-	1.23	1.32
5	Gloss (GU*)	26.7	24.9	21.2
6	ΔG	-	-1.8	-5.5
7	Gloss retention (%)	-	93.26	79.40
8	Grey scale rating (GSR)	-	4~5	4~5

- No chalking and no cracking observed.
- No peeling and no blister observed.
- No visual color change observed.

• **Test photographs :**



Note : Test performed as per the conditions given by the client.

Above Test is subcontracted to . **Confidential Business Information**

***** End of Report*****

Confidential Business Information

Aditya Kumar Subudhi

Manager

Authorized signatory

Email your Test Report Related Enquiries at Feedback.trp@sgs.com