INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.
třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic
Testing Laboratory

Testing laboratory * Calibration laboratory * Product certification body * Quality management systems certification body
Inspection body * Authorized body * Notified body

TEST REPORT
ref. No. 412503666-01

Client:	QVC Certification Services Pvt. Ltd
Address:	2-B Civil lines, Yukti Bussines Centre, Near Old Session Court Ambala City 134003 Haryana, India
Issued for:	Greenlam Industries Limited GST No. 02AAFCG2966D1ZY Vill-Paterh Bhonku, P.O.-Panjehra, Tehsil-Nalagarh, Distt-Solan (HP). Nalagarh-174101
Sample:	Exterior Grade laminate - "Greenlam & New Mika"
Sample received on:	May 2, 2021
Report elaborated by:	Ing. Radim Mikač
Place and date of issue:	Zlín, August 11, 2021

ZKUŠEBNÍ LABORATOŘ * Institut pro testování a certifikaci, a.s. *

Ing. Jiří Samsonek, Ph.D.
Head of Testing Laboratory

Description and identification of samples:

Table No. I - Sample description and identification

ITC's identification number	Sample identification by client	Description of submitted sample
412503666/1	Exterior Grade laminate - "Greenlam & New Mika"	Pieces of Compact laminate

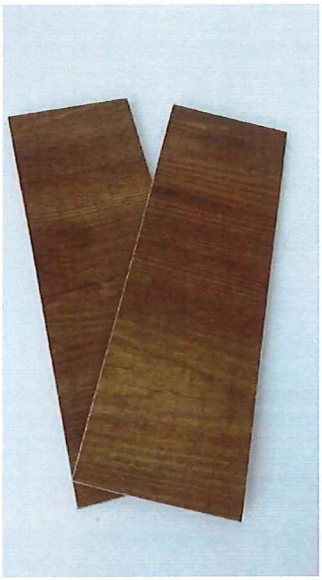

Fig. I - Exterior Grade laminate - "Greenlam & New Mika"

Sampling method used:
The test sample was collected and supplied to the laboratory by the client. The laboratory is not responsible for this way of sampling.

Work requested:
Determination of the resistance to climatic shock and resistance to UV light

Testing method used:
1. Determination of the resistance to climatic shock according to ČSN EN 438-2, test method no. 19
2. Determination of the resistance to UV light according to ČSN EN 438-2, test method no. 28

Test conditions:
1. The nominal thickness of the product 6 mm, tested on August 10, 2021
2. The nominal thickness of the product 6 mm, 2 test specimens with dimensions (300 x 100) mm, Accelerated Weathering Tester model QUV/Spray, as a source used ultraviolet lamps type UV - B with power consumption 40 W, emission maximum 313 nm, total irradiation time 1500 hours, one cycle: 4 hours irradiation at a black standard temperature (60 ± 3) °C and 4 hours condensation phase at a black standard temperature (50 ± 3) °C, contrast between exposed and unexposed test specimens expressed in grayscale according to ISO 105-A02 tested on August 10, 2021

The laboratory is not responsible for information received from customer, which could have influence on the validity of the results. Further information required by the standard/standards and not given in this Test Report are available at a request at the Laboratory.

Testing laboratory:
The tests were performed in the workplace no.2: Třída Tomáše Bati 5264, areal Svit, Building No. 113, 760 01 Zlín

Test results:
The test results are given in the following table:

Table No. 2: Exterior Grade laminate - "Greenlam & New Mika", reg.number 412503666/1

Test No.	Characteristics measured	Unit	Separate values	Test results	Uncertainty[1)]
1	Flexural strength at failure in the transverse direction	MPa	174,2; 183,6; 177,2; 176,1	177,8	5,5
	Flexural modulus in the transverse direction	MPa	10480; 10542; 11341; 10348	10678	498
	Flexural strength at failure in the transverse direction after climatic shock	MPa	149,5; 152,8; 136,4; 145,1 Change of appearance: No visible change	146,0	7,7
	Flexural modulus in the transverse direction after climatic shock	MPa	10152; 10419; 9513; 8977 Change of appearance: No visible change	9762	678
	Flexural strength index D_s climatic shock	-	0.82	-	-
	Flexural modulus index D_m after climatic shock	-	0.91	-	-
2	Resistance to UV light	-	Contrast – Grey scale rating - 5 Appearance – Rating - 5	-	-

[1)] is expressed as an expanded measurement uncertainty for extension coefficient k = 2, which corresponds to a coverage probability of about 95% for normal distribution.

Ing. Jiří Růžička
Head of Building Products and Materials Testing Laboratory