INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.
třída Tomáše Bati 299, Louky, 763 02 Zlín
CSI Division – Centre of Civil Engineering
Construction Testing Laboratory Zlín, K Cihelně 304, 764 32 Zlín - Louky

TEST REPORT
ref. No. 415600343-01

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
Subject of the test:	Exterior Grade Laminate "New Mika Fx"
Sample received on:	January 3, 2022
Report elaborated by:	Ing. Radim Mikač
Place and date of issue:	Zlín, April 26, 2022
Annex:	-

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

Ing. Jiří Růžička
Head of Construction Testing Laboratory Zlín

Ing. Petra Hrdinová
Head of Testing Laboratory

Subject of the test:

Table No. I – Description and identification of the test Subject

ITC's identification number	Identification of the test Subject/sample by client	Description
415600343/1	Exterior Grade Laminate "New Mika Fx"	Pieces of white compact laminate

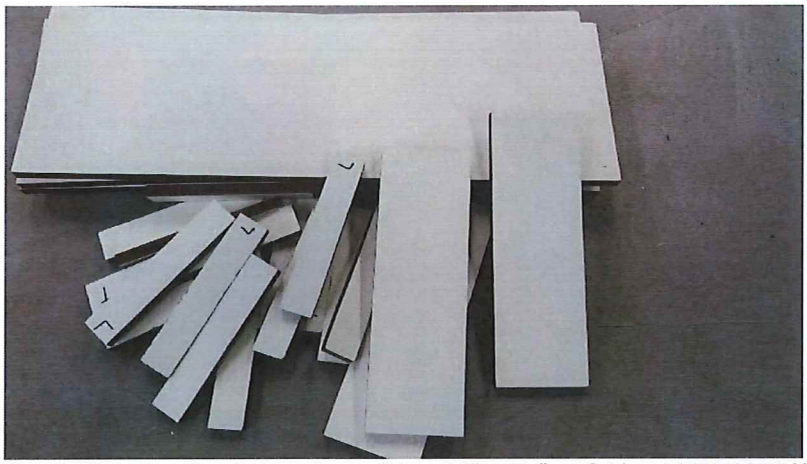

Fig. 1: Exterior Grade Laminate "New Mika Fx", ref. No. **415600343/1**

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 April 5, 2022
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. II – Exterior Grade Laminate "New Mika Fx", ref. No. 415600343/1

Test No.	Characteristics measured	Unit	Separate values	Test results	Uncertainty[1)]
1	Flexural strength at failure in the transverse direction	MPa	103.0; 103.5; 93.9; 105.6	101.5	5.6
	Flexural modulus in the transverse direction	MPa	9972; 9237; 10592; 9448	9812	636
	Flexural strength at failure in the transverse direction after climatic shock	MPa	87.1; 91.2; 94.6; 82.0 Change of appearance: No visible change	88.7	5.8
	Flexural modulus in the transverse direction after climatic shock	MPa	9220; 9316; 9086; 9131 Change of appearance: No visible change	9188	211
	Flexural strength index D_s climatic shock	-	0.87	-	-
	Flexural modulus index D_m after climatic shock	-	0.94	-	-
2	Resistance to UV light	-	Contrast – Grey scale rating - 4 Appearance – Rating - 4	-	-

[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.

..... End of the test report.....