



ŁUKASIEWICZ RESEARCH NETWORK – POZNAŃ INSTITUTE OF TECHNOLOGY

ul. Ewarysta Estkowskiego 6, 61-755 Poznań, Poland

• tel: +48618504890 • fax: +48618526376 • e-mail: office@pit.lukasiewicz.gov.pl

WOOD TECHNOLOGY CENTRE TESTING LABORATORY OF WOOD, WOOD-BASED MATERIALS, PACKAGING, FURNITURE AND CONSTRUCTIONS

ul. Winiarska 1, 60-654 Poznań, Poland

• tel: +48618492400 • fax: +48618224372 • e-mail: office.dbd@pit.lukasiewicz.gov.pl
• www: <https://pit.lukasiewicz.gov.pl/>

SURFACE TESTING SECTION

Poznań, 2022-02-09



AB 088



TEST REPORT No. 256/2022/S.H

Subject of the order

Testing of surface resistance (R4) of White ABS furniture edge-band material

Order no.

A-256-BDM/2022

Name and address of the client

Schilsner Industry Group Sp. z. o.o.
Bierutowska St.77
51-317 Wrocław
Poland

Performance date

February 2022

Operator:

Maria Idziak

Compiled by

Authorized by

--	--

Katarzyna Dziamska-Stefańska M.Sc.(Eng.)

Magdalena Nowaczyk-Organista, PhD

A qualified electronic signature has been affixed to this document, which according to the law is equivalent to written form.

1. IDENTIFICATION (DESCRIPTION) OF THE TEST OBJECT

The tested object was ABS edge-band furniture material, coated with lacquer

Decor – **White**

Date of production – 01-2022

Type of the substrate material – Plastic

Producer of the substrate – Schilsner

Producer of the coating material – Plantag

Producer applying the coating – Schilsner

Coating batch no. – 01-2022

The test samples in amount of 4 sheet of the sizes of (305 × 205 × 1) mm were taken by the customer's representative Mr. Grzegorz Sawka at production plant in Wrocław on 01-2022 and sent to the ŁUKASIEWICZ PIT – Wood Technology Centre in Poznań, Poland. Identification of the tested object has been done acc. to information provided by the customer. Before the tests, the test samples were conditioned for 1 week in the atmosphere of (23±2) °C and (50±5) %RH.

2. DATE OF THE OBJECT'S DELIVERY FOR TESTING

The test samples were delivered on 26.01.2022.

3. METHODS AND SCOPE OF TESTING

Tests were carried out according to the methods described in the following standard:

- **EN 12720:2009+A1:2013** Furniture – Assessment of surface resistance to cold liquids.

These documents fulfil IKEA methodical requirements for R4 class of surface resistance described in IOS-MAT-0066 ver. 13, p. 2.1. A, dated 29.12.2021

4. LIST OF MEASUREMENT AND TEST APPARATUSES, AND MATERIALS

To perform the tests the following apparatus was used:

- timer, lab id no. H 8/37,

Materials:

- cold liquids – distilled water, paraffin oil and coffee,

5. TESTS RESULTS

Tests results are presented in Table 1.

6. STATEMENT

Tests results presented in Table 1 refer only to the examined samples.

The test report cannot be copied in parts but only in its entirety.

Order no.: A-256-BDM/2022

Tested material: **ABS edge band material - White, coated**

Producer of the coating material: Plantag

Date of samples delivery: 26.01.2022

Table 1

Surface resistance – class R4

Tested property	Contact time with tested area [h]	Assessment of surface		Requirements IOS-MAT-0066 ver. 13 29.12.2021	
		first tested area	second tested area		
		rating scale 5-1			
Surface resistance to cold liquids ¹⁾	Distilled water	16	5	5	≥ 4
	Paraffin oil	24	5	5	
	Coffee	1	5	5	

¹⁾ Rating scale acc. to EN 12720:

5 – No change – test area indistinguishable from adjacent surrounding area.

4 – Minor change – test area distinguishable from adjacent surrounding area, only when the light source is mirrored on the test surface and is reflected towards the observer's eye, e. g. discoloration, change in gloss and colour, no change in the surface structure, e.g. swelling, fibre raising, cracking, blistering.

3 – Moderate change – test area distinguishable from adjacent surrounding area, visible in several viewing directions, e.g. discoloration, change in gloss and colour, no change in the surface structure, e.g. swelling, fibre raising, cracking, blistering.

2 – Significant change – test area clearly distinguishable from adjacent surrounding area, visible in all viewing directions, e. g. discoloration, change in gloss and colour, and / or structure of the surface slightly changed, e.g. swelling, fibre raising, cracking, blistering.

1 – Strong change – the structure of the surface being distinctly changed and / or discoloration, change in gloss and colour, and / or the surface material being totally or partially removed, and / or the filter paper adhering to the surface.

09.02.2022

Date of tests termination

The End