

To:

Przemysław Rycerz

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N.A.

N.A.

From:

Aneta Lewandowska
Quality Lab Technician

KET Laboratory
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Object: RELEASE OF A NEW CASTING MOULD FOR PRODUCTION 442710333041 BRP102 HOUSING MALAGA
LARGE - PAINTED AT LVL SUPPLIER, 5 SAMPLES

Product description:

Brand: Philips
Family name: Coreline Malaga Led
Family code: BRP101

Tests according to:

☒ QS-014207

Test Equipment:

☐ Salt chamber
☒ Thickness apparatus
☒ Container with demineralized water
☐ Cross test apparatus
☒ Adhesive

Test Results:

☒ **PASS** / ☐ **N/A**

☐ **FAIL**

Tested by:

☒ Aneta Lewandowska
☐ Dalida Fuks
☐ Michał Szepietowski
☐ Piotr Jakubiec
☐ Konrad Micinski
☐ Andrzej Haluszka

Approved by:

☒ Dariusz Pierzchanowski

Test date: 07.08.2020 to 14.08.2020

Issue date: 14.08.2020

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1. Thickness measurements

Maximum coating thickness on parts thickness shall never exceed **double value** of targeted layer thickness unless otherwise stated.

Program:

- ☒ thickness= 60 µm for standard single layer painting
☐ thickness= 120 µm for double layer MSP painting and double layer SPW painting

SAMPLE	*Area 1 (µm)	*Area 2 (µm)	*Area 3 (µm)
Sample 4	83	99	80
Sample 5	75	87	78

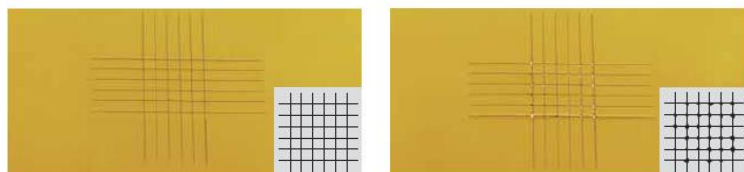
2. Evaluation from a distance 3m

SAMPLE	P	F	N/A	Comments
Sample 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Smooth coating without bubbles
Sample 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Smooth coating without bubbles

Test result	PASS	FAIL	N/A
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Cross cut test

Evaluation: Adhesion: acceptable level between level 0 and 1.
Level 0 total surface remove 0% Level 1 total surface remove below 5%



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Check painting adhesion with Cross test+ adhesive before and after samples In demineralized water (40°C) during 168 h :

SAMPLE	Level in Area *1	Level in Area *2	Level in Area *3	P	F	NA
Sample 4-IM : Cross cut + adhesive after Water	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample 4-IM :Cross cut + adhesive after Water	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample 5-IM : Cross cut +adhesive before Water	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample 5-IIM : Cross cut + adhesive after Water	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Test result	PASS	FAIL	N/A
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample after Water



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Sample before Water



Sample before Water

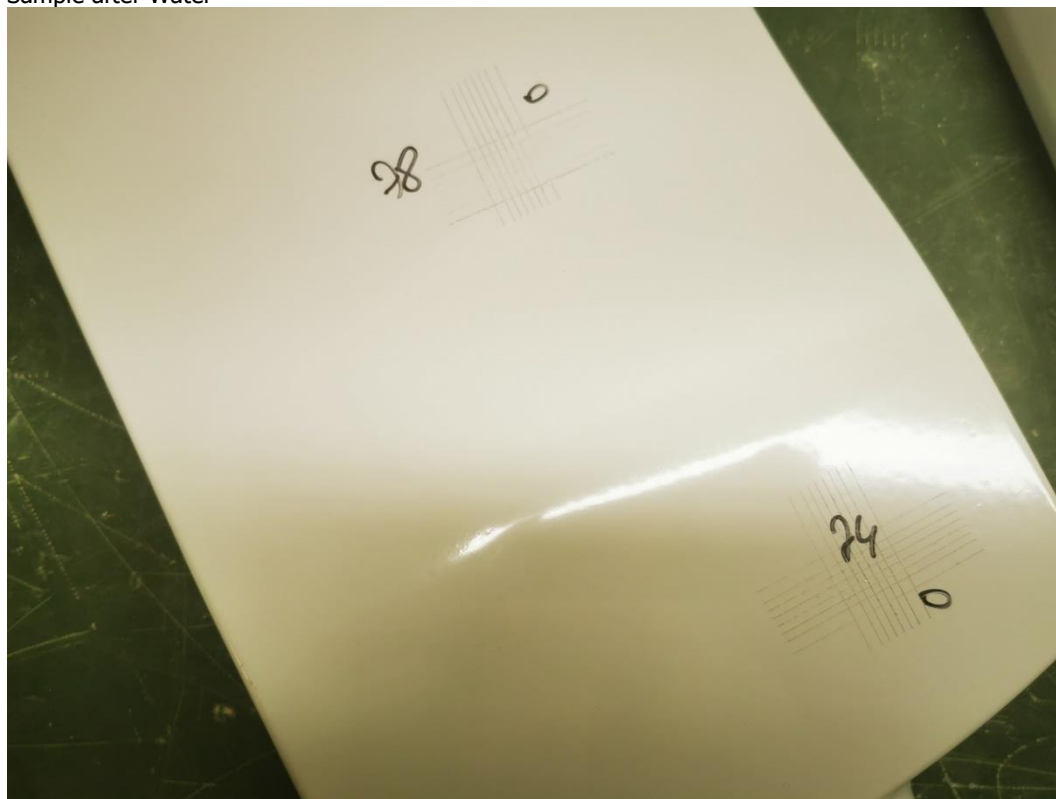


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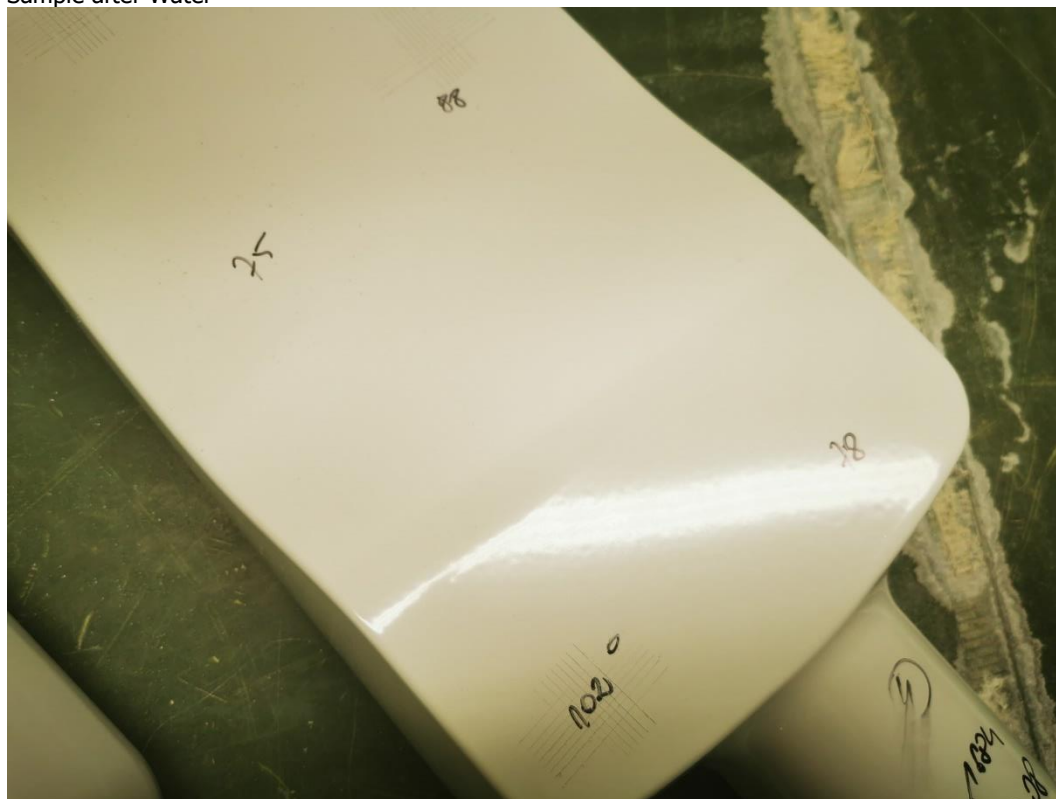
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Sample after Water



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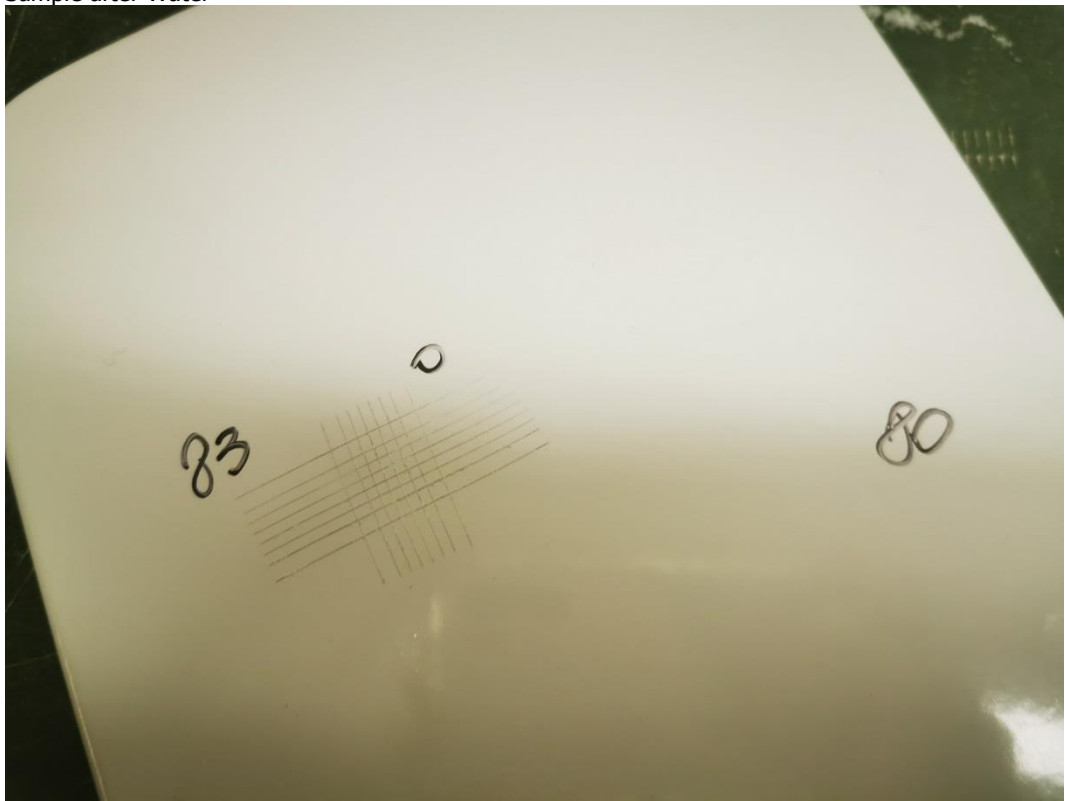
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Sample after Water



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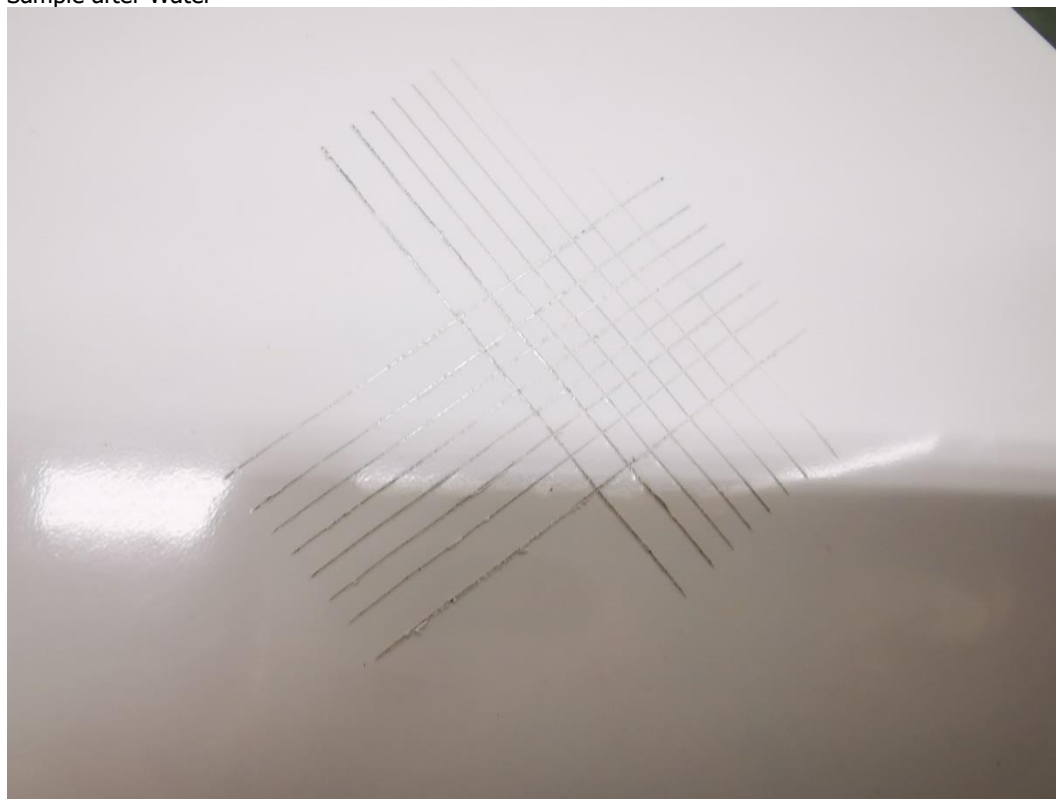
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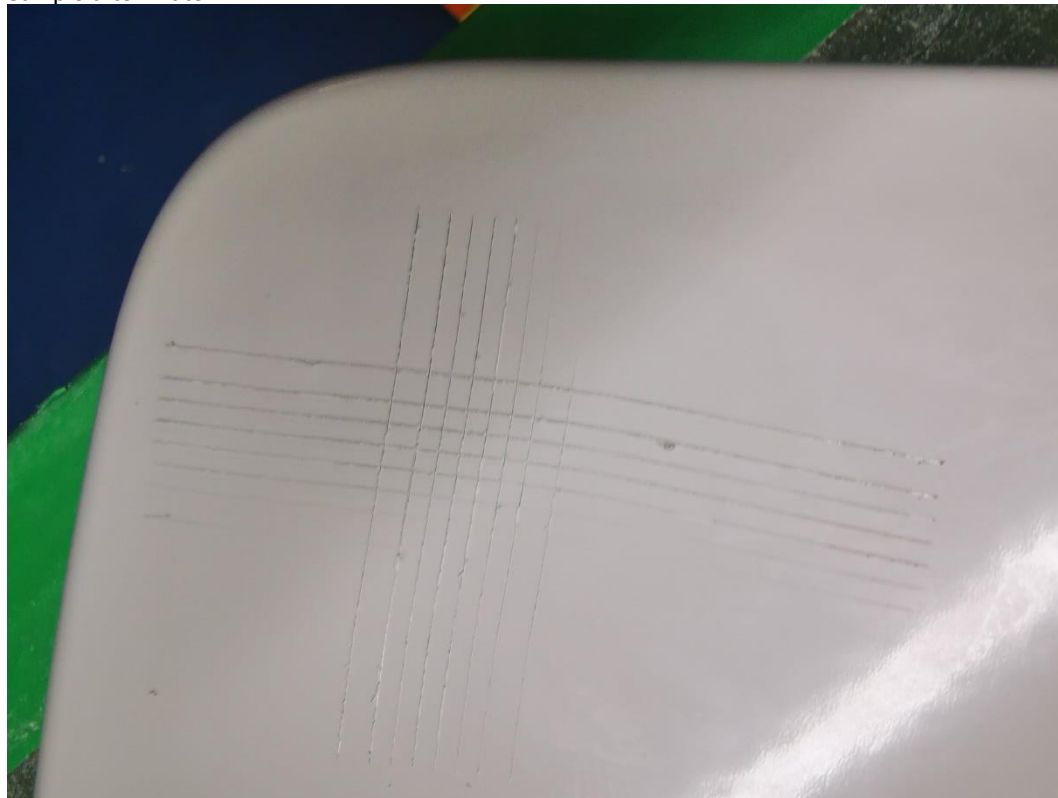
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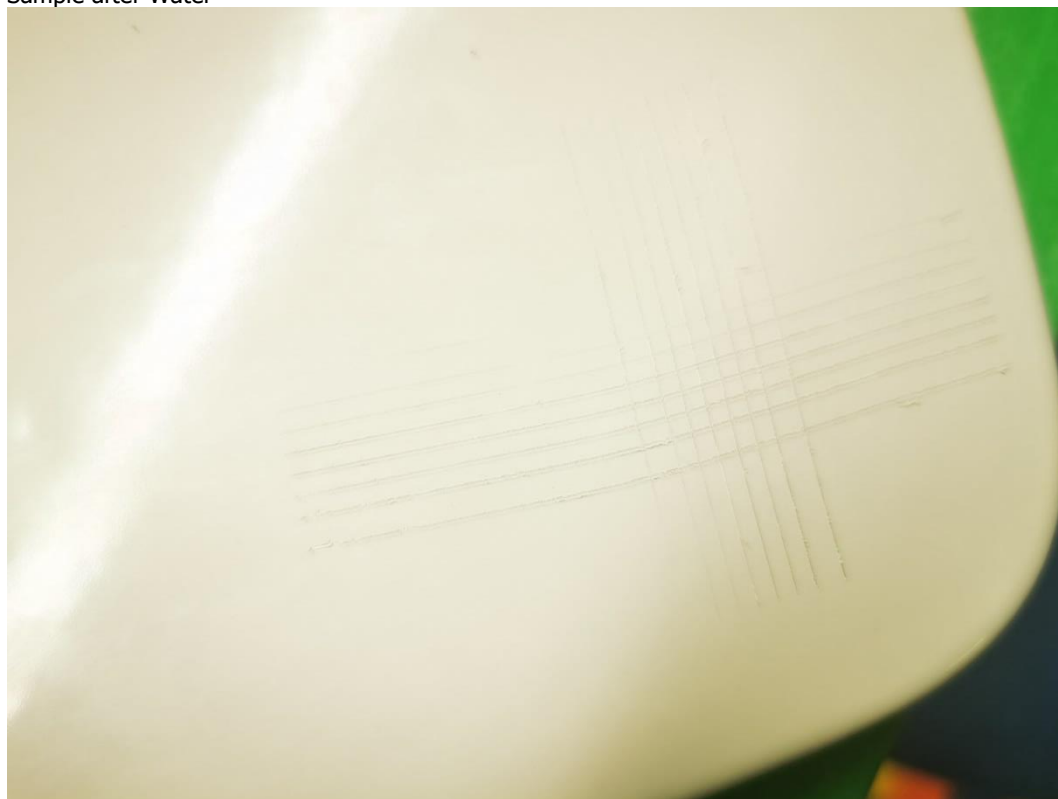
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Sample after Water



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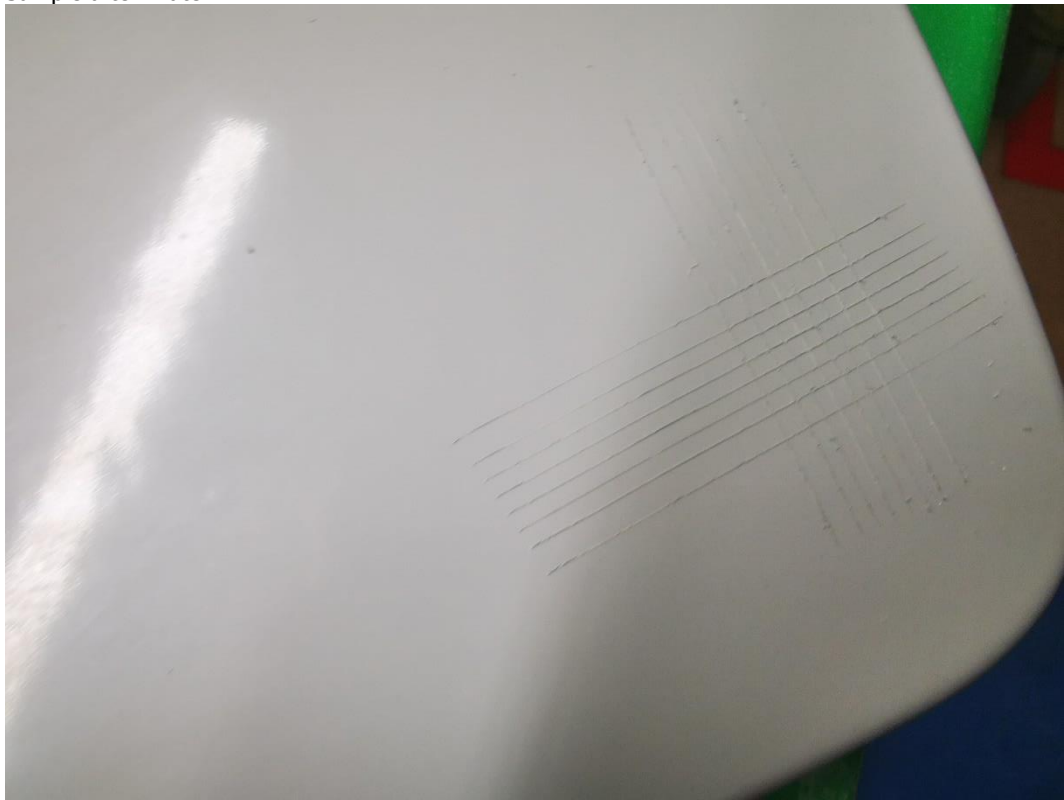
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