Test Report
Order No. 2720402

Client: MODECOR INTERNATIONAL GmbH
Neuer Wall 63
20354 Hamburg

Date of order: 16/07/2020

Order: Determination of scratch resistance according to EN 438-2:2019 chapter 25

Contractor: EPH – Laboratory Surface Testing

Engineer in charge: Dipl.-Ing. (FH) M. Peter

Dr.-Ing. Rico Emmler
Head of Laboratory Surface Testing

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1 Task

The authorized laboratory Entwicklungs-und Prüflabor Holztechnologie GmbH (EPH) was commissioned by MODECOR INTERNATIONAL GmbH in Hamburg to carry out the determination of scratch resistance according to EN 438-2:2019 chapter 25.

2 Test material

For testing, the following samples were selected by the client and sent to the contractor with receipt at EPH laboratory on: 20/07/2020

HPL Modecor 201 Midnight Black Ultramatt AFP

Thickness: 0.8 mm

3 Determination of the resistance to scratching according to DIN EN 438-2:2019 chapter 25

The determination of the scratch resistance was carried out according to EN 438-2:2019, chapter 25. A Universal Scratch Tester Model 413 from the Erichsen company was used as a testing device. The evaluation of the results was carried out with the help of comparison samples according to EN 438-2:2019, Figure 22, as well as the evaluation scale from Table 6, chapter 25.7.

Performance of the test: 23/07/2020

4 Result

<table>
<thead>
<tr>
<th>Scratch resistance in N</th>
<th>Scratch resistance* according to EN 438-2:2019 Table 6 in Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discontinuous scratches, or faint superficial marks, or no visible marks</td>
<td>≥ 90 % continuous double circle of scratch marks clearly visible</td>
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<td>2</td>
<td>4</td>
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</tbody>
</table>

* Statements on conformity assessment/classification were made on the basis of the measurement results obtained. Measurement uncertainties were not included in the assessment (ILAC G8 03/2009 "Guidelines on the Reporting of Compliance with Specification" Section 2.7).

5 Evaluation

The tested product reached a scratch resistance rating 3 according to EN 438-2:2019 Table 6.

[Dipl.-Ing. (FH) M. Peter]
Engineer in charge