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Sample ID : ASD LAMINAT

	TEST	METHOD	Specimen	RESULT
-	Electrostatics Standard test methods for specific applications. Electrical resistance of floor coverings and installed floors	EN 61340-4-1: 2004+A1:2015	ASD LAMINAT	1,75 MΩ

NOTE: This test result replaces the conformity assessment, can be presented to official institutions, and used in products and brochures.



Seal

Customer Representative
Merve Nur KIRVELİ

Laboratory Manager
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Test results, methods and other information about the sample shown in the relevant pages of this Report are based on the information specified in accordance with "Test Request Form (PR03-F01) conveyed to us from the Applicant. Test results are valid for the sample as identified above. Sample may not represent the lot which it belongs. This Report does not replace a Product Certificate. Full report or any part of it may not be reproduced or used for any other purpose without the written permission of EUROLAB Laboratory. Sampling has not been done by us. Unsigned and unsealed Reports are invalid. Analysis as indicated with "*" are in the Scope of our Accreditation Certificate issued from UAF according to TS EN ISO/IEC 17020, 17025, Analysis as indicated with "***" are performed at the external laboratories using accredited test methods according to EN ISO/IEC 17020, 17025 from UAF. Possible extra notes may add with starting N° to related pages. Tested and remaining samples will be kept in specified terms & conditions at test request and/or proposal form. Physically, chemically and microbiologically decomposed samples are discarded regardless of the storage period. Applicant can not claim any right in this regard. Results are shown in this Report do not include Measurement Uncertainty values. Measurement Uncertainty values are not taken in consideration during Pass/Fail assessment the of test results shown in this Report. Evaluation of the test results using Measurement Uncertainty values is the responsibility of the Applicant.

PR33-F01/08.10.2015/Rev:17.01.2017-R01

Scope

This part of IEC 61340 specifies test methods for determining the electrical resistance of all types of floor coverings and installed floors with resistance to ground, point-to-point resistance and vertical resistance of between $10^4 \Omega$ and $10^{13} \Omega$.

Acceptance Testing

A laboratory evaluation apparatus shall be used for acceptance testing or an apparatus with an open-circuit voltage of

-	10 V $\pm$ 0,5 V for resistance below $1,0 \times 10^6 \Omega$
-	100 V $\pm$ 5 V for resistance between $1,0 \times 10^6 \Omega$ and $1,0 \times 10^{11} \Omega$
-	500 V $\pm$ 25 V for resistance above $1,0 \times 10^{11} \Omega$.

Conditioning

Time	Temperature	Relative Humidity
48 h	23 °C $\pm$ 2	12 % $\pm$ 3 %

Procedure

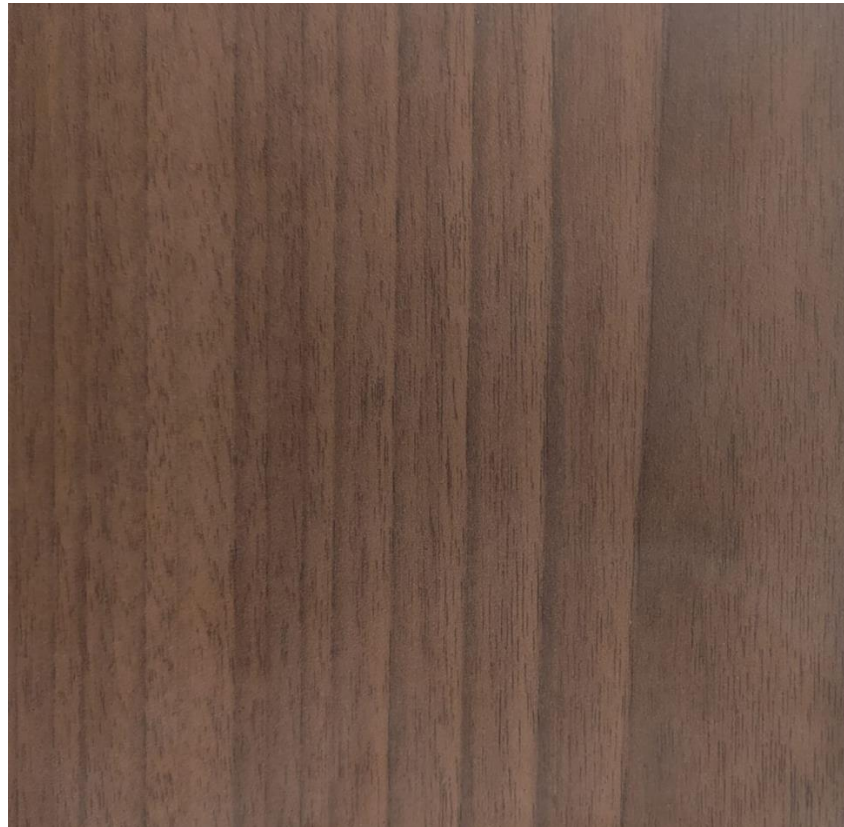
Point-to-point resistance	Place the test specimen with its use-surface uppermost on the insulating plate. Place the two measuring electrodes on the test specimen 300 mm $\pm$ 10 mm distance centre to centre. For tests on installed floors, the electrodes shall be placed on the floor surface with the same distance between them as for laboratory evaluations. Connect the measuring electrodes to the resistance measuring apparatus. Starting with the voltage set to 10 V, take a reading of the resistance 15 s $\pm$ 2 s after applying the test voltage. If the value exceeds $10^6 \Omega$, select 100 V and repeat the measurement. If the value for this second measurement exceeds $10^{11} \Omega$, select 500 V and make a final measurement. Record the reading which matches the voltage and resistance range specified, unless either of the following situations occur: a) the measured resistance at 10 V is greater than $1,0 \times 10^6 \Omega$ and the measured resistance at 100 V is less than $1,0 \times 10^6 \Omega$; or b) the measured resistance at 100 V is greater than $1,0 \times 10^{11} \Omega$ and the measured resistance at 500 V is less than $1,0 \times 10^{11} \Omega$.
Vertical resistance	Place the counter-electrode on the insulating plate. Place the specimen with its use-surface uppermost on the counter-electrode. Place one measuring electrode on the test specimen with its centre no closer than 100 mm to the test specimen's edges. Connect the measuring and counter-electrode to the resistance measuring apparatus. Starting with the voltage set to 10 V, take a reading of the resistance 15 s $\pm$ 2 s after applying the test voltage. If the value exceeds $10^6 \Omega$, select 100 V and repeat the measurement. If the value for this second measurement exceeds $10^{11} \Omega$, select 500 V and make a final measurement. Record the reading which matches the voltage and resistance range specified, unless either of the following situations occur: a) the measured resistance at 10 V is greater than $1,0 \times 10^6 \Omega$ and the measured resistance at 100 V is less than $1,0 \times 10^6 \Omega$; or b) the measured resistance at 100 V is greater than $1,0 \times 10^{11} \Omega$ and the measured resistance at 500 V is less than $1,0 \times 10^{11} \Omega$.

Resistance to ground	Place the test specimen with its use-surface uppermost on the insulating plate. Place one measuring electrode on the test specimen with its centre no closer than 100 mm to any of the test specimen's edges. Connect the measuring electrode and groundable point to the resistance measuring apparatus. Starting with the voltage set to 10 V, take a reading of the resistance $15 \text{ s} \pm 2 \text{ s}$ after applying the test voltage. If the value exceeds $10^6 \Omega$, select 100 V and repeat the measurement. If the value for this second measurement exceeds $10^{11} \Omega$, select 500 V and make a final measurement. Record the reading which matches the voltage and resistance range specified, unless either of the following situations occur: a) the measured resistance at 10 V is greater than $1,0 \times 10^6 \Omega$ and the measured resistance at 100 V is less than $1,0 \times 10^6 \Omega$; or b) the measured resistance at 100 V is greater than $1,0 \times 10^{11} \Omega$ and the measured resistance at 500 V is less than $1,0 \times 10^{11} \Omega$.
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Test Result

Sample	Type Of Measurement	Measurement	Geometric Mean
ASD Laminat	Resistance To Ground	1,65 MΩ	1,75 MΩ
		1,74 MΩ	
		1,89 MΩ	

Sample Image



*** End of Report ***