

# TEST REPORT

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EUROLAB LABORATUVAR A.Ş.



**Overall Rating / Test Sonucu :** R12

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**Sample ID :** Honeycomb yüzeyli laminat

	TEST	METHOD	RESULT
*	<b>Testing Of Floor Coverings - Determination Of The Anti-Slip Property - Workrooms And Fields Of Activities With Slip Danger - Walking Method - Ramp Test</b>	<b>DIN 51130:2014</b>	<b>Honeycomb yüzeyli laminat</b> <b>R12</b>

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

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.

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## **DIN 51130:2014 Testing Of Floor Coverings - Determination Of The Anti-Slip Property - Workrooms And Fields Of Activities With Slip Danger - Walking Method - Ramp Test**

### **Scope**

This standard specifies a method that serves as a test of conformity for the determination and classification of non-slip properties of floor coverings intended for use in workrooms and work areas with a risk of slipping.

### **General**

A tester with test shoes walks back and forth on the floor covering to be tested in an upright position with increased inclination from horizontal to acceptance angle. The acceptance angle is determined on a floor covering coated with a lubricant. The resulting mean acceptance angle is used to evaluate the degree of slip resistance.

### **Instruments and Test Equipment**

- **Test Shoes:** Subjects tested wear a nitrile rubber-based test shoe with a Shore hardness of  $A/73 \pm 5$ .
- **Safety Device and Test Facility:** A flat, torsion-resistant plate about 600 mm wide and about 2000 mm long is used as the test device, the inclination of which can be adjusted from  $0^\circ$  to about  $40^\circ$  in the longitudinal direction.
- **Surface Lubricants:** Engine lubricating oil with SAE viscosity class 10 W-30 according to SAE J 300 is used for the tests.
- **Test Coating:** A test coating of approximately 100 cm  $\times$  50 cm is made from the floor coverings to be tested. The surface to be tested must be clearly recognizable or marked as such.

### **Procedure**

The temperature in the test chamber and the temperature of the shoes, lubricant and test cover should be  $(23 \pm 5)^\circ\text{C}$ .

Before the start of the tests,  $(200 \pm 20)$  ml of the lubricant per square meter are spread evenly over the surface of the test covering with a brush. The outsole of the shoe is wetted with the lubricant using the brush.

The tester walks half a shoe length, face downhill, upright and backwards across the test surface. Starting from the horizontal position, the slope of the test pavement is increased at a rate of about  $1^\circ/\text{s}$ . If the tested person reaches the safe walking limit, the acceptance angle (slip angle) is determined by moving it up and down several times in the critical area. The acceptance angle of the test pavement is determined three times, starting

from the horizontal position or at an angle approximately 10° below the acceptance angle of the previous measurement. Before the 2nd and 3rd measurement, the lubricant is spread on the surface again with a brush.

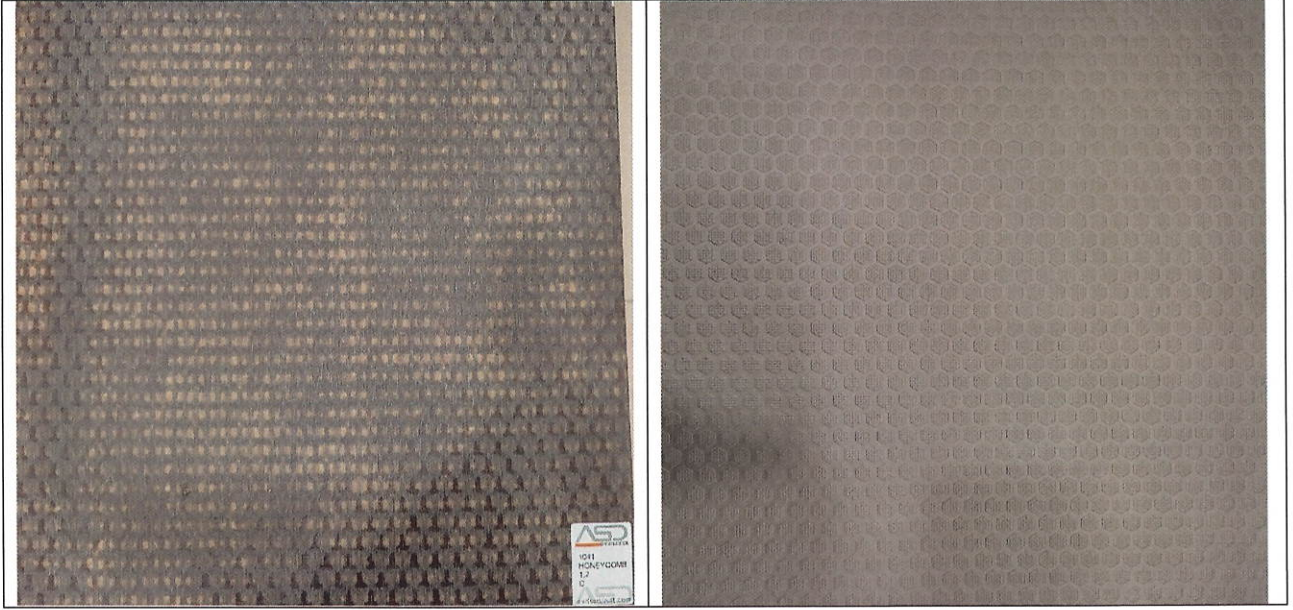
Analysis of results according to standard, product are classified on the basis of the value of the minimum slipping angle, as showed in table below.

Slip Resistance Class	Average Slipping Angle
R9	$\geq 6^\circ \leq 10^\circ$
R10	$> 10^\circ \leq 19^\circ$
R11	$> 19^\circ \leq 27^\circ$
R12	$> 27^\circ \leq 35^\circ$
R13	$> 35^\circ$

### Test Results

Sample	Average Slipping Angle	Slip Resistance Class
Honeycomb yüzeyli laminat	33°	R12

**Sample Image**



**\*\*\* End of Report \*\*\***