



Test report

P 6444-2-E

Testing order:

**Test of the anti-slip property
and measurement of the displacement space
according to DIN 51130**

**WIDOCRYL Haftgrund PM
WIDOCRYL Topsiegel PM
with granite granulate 0.5 – 1.0 mm and
WIDOCRYL Versiegelung PM**

Customer:

**WIDOPAN Produkte GmbH
Finkenhörne 4a
21781 Cadenberge**

Persons in charge:

**J. Wagner
Dipl.-Ing. W. Jung**

Date of the test report:

2010-03-18

This test report comprises:

5 pages



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1 PROCEDURE

WIDOPAN Produkte GmbH, Cadenberge, commissioned Polymer Institut to test the anti-skid property and to measure the displacement space according to DIN 51130: "Testing of floor coverings - Determination of the anti-slip property - Workrooms and fields of activities with slip danger - Walking method - Ramp test" 2004-06

on a coating system consisting of

WIDOCRYL Haftgrund PM
WIDOCRYL Topsiegel PM
with granite granulate 0.5 – 1.0 mm and
WIDOCRYL Versiegelung PM.

2 RECEIPT OF THE SAMPLES

On 2010-01-06 the sample listed in Table 1 was delivered to Polymer Institut by parcel service.

table 1: sample

N° sample	designation	dimensions [cm]	quantity [pieces]
1	coated plywood	100 x 50 x about 2.4	1

The thickness of the plywood used as an application base is 22 mm.

3 STRUCTURE OF THE COATING

According to the customer, the structure of the coating is as follows:

table 2: structure of the coating

description / consumption in [g/m²]		
primer	coating	top layer
<i>WIDOCRYL Haftgrund PM</i> ca. 300 g/m² + quartz sand 0.3 – 0.8 mm	<i>WIDOCRYL Topsiegel PM</i> about 600 g/m² + granite granulate 0.5 – 1.0 mm ca. 1.500 g/m²	<i>WIDOCRYL Versiegelung PM</i> about 300 g/m²

Further information on the preparation of the sample, such as air conditions, equipment used, waiting times etc. are not available to Polymer Institut.

4 DETERMINATION OF THE ANTI - SLIP PROPERTY

After the receipt at Polymer Institut the specimen was stored at standard temperature according to DIN EN 23270 until the beginning of the test.

4.1 Determination of the anti-slip property

The testing of the anti-slip property according to DIN 51130 was performed on the inclined plane of Kiwa Polymer Institut.

According to table 3 of DIN 51130:2004-06 the samples are assigned to a class of slip resistance. In table 3 of the test report the corrected total mean acceptance angles are assigned to the classes of skid resistance according to the standard quoted.

The result of the test is given in table 3.

overview: assignment of the corrected total mean acceptance angles to the classes of anti-slip resistance according to Table 3 of DIN 51130

corrected mean acceptance angle α_{ges}	class of skid resistance
6 ° to 10 °	R 9
above 10 ° to 19 °	R 10
above 19 ° to 27 °	R 11
above 27 ° to 35 °	R 12
above 35 °	R 13

table 3: result of the test of skid resisting properties

corrected mean acceptance angle α_{ges}	class of skid resistance
> 35 °	R 13

4.2 Measuring the displacement space

The measurement of the displacement space was carried out according to section 6 of DIN 51130.

The assignment to a class of the displacement space is created according to table 4 of the standard. In table 4 of the test report the area-related volume is assigned to a class of displacement space.

*overview: assignment of the area-related volume to
a class of displacement space according to table 4 of DIN 51130*

area-related volume of the displacement space	class of the displacement space
4	V 4
6	V 6
8	V 8
10	V 10

table 4: result of measurement of the displacement space

area-related volume of the displacement space cm ³ /dm ²	class of the displacement space
12.0	V 10

5 SUMMARY


WIDOPAN Produkte GmbH, Cadenberge, commissioned Polymer Institut to test the anti-slip property and to measure the displacement space according to DIN 51130:2004-06 on a coating system, consisting of

WIDOCRYL Haftgrund PM
WIDOCRYL Topsiegel PM
with granite granulate 0.5 – 1.0 mm and
WIDOCRYL Versiegelung PM.

The result of the test is shown in chapter 4.

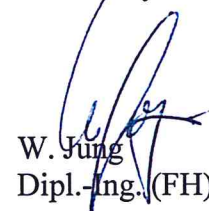
Flörsheim-Wicker, 2010-03-18

Head of the institute


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