Test Report

0983-17-F

on

tile testing

for

Petraluxe GmbH
Siemensstraße 34
06449 Aschersleben
Germany

presented by

Forschungsinstitut für Anorganische Werkstoffe
- Glas/Keramik - GmbH
Heinrich-Meister-Straße 2
56203 Höhr-Grenzhausen
Germany

17 April 2018

1. Test specimen

Test specimens of one sort of tiles labelled as

"GresDream matt glaze":

- One test specimen with the dimensions of 500 x 1000 mm² for the determination of the slip resistance property.
- Ten test specimens with the dimensions of 100 x 100 mm² for the determination of the resistance to surface abrasion.
- One test specimen with the dimensions of 200 x 200 mm² for the determination of the scratch hardness according to Mohs.

2. Date of arrival

04/09/2017

3. Test realization

04/09/ - 06/11/2017

4. Test methods

4.1. Determination of the anti-slip property of floor coverings - workrooms and fields of activities with slip danger, walking method - ramp test according to DIN 51130 (●).

4.2. Determination of resistance to surface abrasion according to EN ISO 10545-7 (●).

4.3. Determination of surface scratch hardness according to the Mohs scale based on EN 15771 (●).

5. Sampling/sample preparation

Sampling and delivery to the FGK were under responsibility of the customer.

5.1. Determination of the anti-slip property
The test specimen delivered was fixed on a chipboard and tested.

5.2. Determination of resistance to surface abrasion
The test specimens were tested as-delivered.

5.3. Determination of surface scratch hardness according to Mohs
The test specimens were tested as-delivered.

6. Results

6.1. Determination of the anti-slip property

Corrected mean acceptance angle:	6.0°
Class of anti-slip property:	**R 9**

6.2. Determination of resistance to surface abrasion

Abrasion step, changes visible after:	> 12000 revolutions
Class:	**5**

6.3. Determination of surface scratch hardness according to Mohs

Mohs hardness: **7** (Quartz do not scratch the sample)

7. Testing uncertainties

7.1. Determination of the anti-slip property
Details on request.

7.2. Determination of resistance to surface abrasion
No details possible.

7.3. Determination of surface scratch hardness according to Mohs
No details possible.

8. Epilogue

All investigations were done in view of the latest scientific-technical trends and to the best of one´s knowledge and belief.

The test results exclusively relate to the test specimen.

The test report consists of 4 pages.

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17.04.2018

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Nach DIN EN ISO/IEC 17025 akkreditiertes Prüflaboratorium D-PL-18634-01-00
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