



Branch 0300 – Plzeň

REPORT

No. 030 – 053180

on determination of slipperiness of ceramic tiles

Customer: Ceramika Nowa Gala S. A.
ul. Ceramiczna 1
26-200 Końskie, Poland

Order no.: –

from 15. 04. 2016

Order No.: Z030160151

Enclosures: –

This Report has been made in duplicate. The first original copy is for the customer, the other will be filed along with other documentation in TZÚS Plzeň.

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Branch Manager

Plzeň 29th April 2016



Stamp TZÚS - Plzeň Branch

Statement:

- 1) The test results relate to the items under test (samples) only.
- 2) This report may not be reproduced otherwise than complete without the written consent of TZÚS.

1 Initial Data

1.1 Assignment

- Execution of tests of slipperiness of ceramic tiles according the requirement of the client:
 - **determination of slipperiness – walking methods – ramp test** (barefoot method) according DIN 51097
 - determination of slipperiness – walking methods – ramp test** (shoe method) according DIN 51130

1.2 Samples

- Sample specification: **Ceramic tiles dry-pressed, EN 14411**
type: **collection ZENITH – surface STRUCTURAL format 60 x 60 cm**
- Producer: **Ceramika Nowa Gala S. A., ul. Ceramiczna 1, 26-200 Końskie, Poland**
- Samples supplied on 21st April 2016.

2 Sampling Method

The test samples were supplied by the customers on 21st April 2016.

The samples were recorded this way under no. sample:

type: **collection ZENITH – surface STRUCTURAL format 60 x 60 cm**

no. sample

VZ030160394

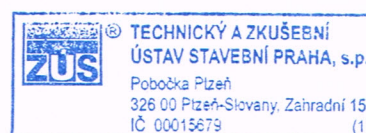
3 Testing Procedures

DIN 51097

Testing of floor coverings determination of anti – slip properties wet-loaded barefoot areas; walking method – ramp test

DIN 51130

Testing of floor coverings determination of anti – slip properties; workrooms and fields of activities with raised slip langer, walking method – ramp test



4 Measurements and Tests

4.1 Determination of slipperiness – walking methods – ramp test (wet-loaded barefoot areas method)

DIN 51097

Testing samples	Critical angle of slip classification according to DIN 51097
collection ZENITH – surface STRUCTURAL format 60 x 60 cm	23° B

4.2 Determination of slipperiness – walking methods – ramp test (shoe method)

DIN 51130

Testing samples	Critical angle of slip classification according to DIN 51130
collection ZENITH – surface STRUCTURAL format 60 x 60 cm	23° R 11

5 Conclusion

- Based on the results of the test pursuant to DIN 51097, the tested samples of **ceramic tiles collection ZENITH – surface STRUCTURAL format 60 x 60 cm** produced in the **Ceramika Nowa Gala S. A., ul. Ceramiczna 1, 26-200 Końskie, Poland** classified in **class B** and can be used for assembly of safe paving, e.g. corridors for walking barefoot, if not fall below A, showers, galleries pools, bottom of pools in the area for non-swimmers, if in some parts of the water depth is less than 80 cm, bottom of the pool with waves in space for non-swimmers, movable bottom, pool, ladders and stairs outside the pool, sauna and relaxation rooms, unless they fall under A etc. and can also be used as class A for assembly of safe paving, e.g. the corridors for walking barefoot (mostly dry), joint and separate dressing rooms, bottom of pools in the area for non-swimmers, when the whole area of water depth greater than 80 cm, sauna and relaxation rooms (mostly dry) etc.

and based on the results of the test pursuant to DIN 51130, the tested samples of **ceramic tiles collection ZENITH – surface STRUCTURAL format 60 x 60 cm** produced in the **Ceramika Nowa Gala S. A., ul. Ceramiczna 1, 26-200 Końskie, Poland** classified in **class R11** and can be used to secure the assembly floor e.g. for kitchens with a capacity of up to 100 meals a day, school kitchens, stores, factories juices etc. The flooring can also be used as class R 10 and can be used also for assembly of safe paving, e.g. in warehouses, small kitchens, sanitary facilities, cafés, teashops etc., and class R 9 (e.g. for paving in space for breaks, customer spaces, massage rooms, hairdressing salons, rooms for mangles, for ironing, classrooms etc.).

To secure the proper slip-resistant function of the flooring in conformity with the conclusion above, one has to keep the surface clean and free from excessive wear. Other properties were not subject to the tests

END OF REPORT

