



TEST REPORT

issued by Testing Laboratory No. 1018.3
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No. 030 – 054688

from determination of anti-slip properties of ceramic tiles

Ordering Party: **„NOWA GALA“ S.A.**
Manufacturer:
Address: ul. Ceramiczna 1, 26-200 Końskie, Poland
Company ID: 291070360
Seller: **NOWA GALA S. A.**
Address: ul. Ceramiczna 1, 26-200 Końskie, Poland
Test sample: **Ceramic tiles – collection FLAMENCO**
Order No.: Z030 17 0125

Number of pages of the Test Report incl. title page: 3 Pages of Annexes: -

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Plzeň, on 5.6.2017

Declaration: 1) The test results in this Report relate only to the tested article and they do not substitute any other documents
2) The Test Report must be copied as a whole only otherwise a written consent of the testing laboratory is needed.

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** (shoe method) according DIN 51130
 - **determination of slipperiness– walking methods – ramp test** (barefoot method) according DIN 51097

1.2 Samples

- Sample specification: **Ceramic tiles dry-pressed, EN 14411** collection: **FLAMENCO** dimension 33×33 cm
- Seller: **NOWA GALA S. A.**, ul. Ceramiczna 1, 26-200 Końskie, Poland
- Samples supplied on 23rd March 2017.

2 Sampling Method

The test samples were supplied by the customers on 23rd March 2017.
The samples were recorded this way under no. sample: VZ 030170290.

3 Testing Procedures

DIN 51130

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

DIN 51097

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

4 Measurements and Tests

4.1 Determination of slipperiness– walking methods – ramp test (shoe method) DIN 51130

Testing samples	Critical angle of slip classification according DIN 51130
collection: FLAMENCO dimension 33×33 cm	21,4° class R11

4.2 Determination of slipperiness– walking methods – ramp test (wet-loaded barefoot areas method) DIN 51097

Testing samples	Critical angle of slip classification according DIN 51097
collection: FLAMENCO dimension 33×33 cm	> 24° C



5 Conclusion

5.1

Based on the results of the test pursuant to DIN 51130, the **tested samples of ceramic tiles dry-pressed, EN 14411 collection FLAMENCO dimension 33×33cm** produced in the "NOWA GALA" S. A., ul. Ceramiczna 1, 26-200 Koňskie, Poland

in class R 11 can be used also for assembly of safe paving, e.g. in manufacturing plants, kitchens up to 100 lunches per day, school canteens, shops, airport halls, car services etc. and can be used also for assembly of safe paving, e.g. class R10 (e.g. for paving in warehouses, small kitchens, sanitary facilities, cafés, teashops etc.), in class R9 (e.g. for paving in space for breaks, customer spaces, massage rooms, hairdressing salons, rooms for mangles, for ironing, classrooms etc.).

It should be pointed out that to ensure proper slip resistant function of flooring in the sense of stated conclusion, it is needed to maintain surface always in clean conditions and without significant wear.

5.2

Based on the results of the test pursuant to DIN 51097, the **tested samples of ceramic tiles dry-pressed, EN 14411 collection FLAMENCO dimension 33×33cm** produced in the "NOWA GALA" S. A., ul. Ceramiczna 1, 26-200 Koňskie, Poland classified **in group C** and can be used for assembly of safe paving, e.g. on stairs to water, walk-through pools, sloping pool edges etc.

They can be used even where the use of ceramic tiles classified into group B is prescribed (Group B – 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 into group A is prescribed (Group A – 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.)

It should be pointed out that to ensure proper slip resistant function of flooring in the sense of stated conclusion, it is needed to maintain surface always in clean conditions and without significant wear.

END OF REPORT

