



Test report 20200406

for:

Frescolori.de GmbH
Mr. Maximilian Ewering
Ferdinand-Braun-Strasse 2
46399 Bocholt

1. Test item:

5 samples according to the order no.: AB72655 (sample designation(s) see attachment.)

2. Date of receipt of the subject of the audit:

13.05.2020

3. Date of examination:

18.05.2020 - 25.05.2020

4. Test method:

- 4.1. Determination of the slip resistance of floor coverings for wet barefoot areas, walking method - inclined plane, according to DIN 51097:1992-11 (1).
- 4.2. Determination of the slip resistance of floor coverings for workrooms and work areas with slip hazards, walking method - inclined plane, according to DIN 51130:2014-02 (1).

5. Sampling / Sample Preparation:

See attachment.

6. Results:

See attachment.

7. Measurement uncertainties:

See attachment.

8. Conclusion:

The tests were carried out to the best of our knowledge and belief, taking into account the latest scientific and technical findings. The test results refer exclusively to the test objects. In order to avoid false interpretations, this report may only be printed, copied and passed on in full.

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29.06.2020

Dipl.-Ing.(FH) Stefan Link QMB/Deputy Head of
Laboratory
Head of Quality Management/Deputy Laboratory Manager



This test report consists of 1 page and an attachment of 2 pages.

(1) FGK accredited (2) subcontracting (cooperation partner accredited) (3) subcontracting (FGK and cooperation partner accredited)
(4) Subcontracting (cooperation partner not accredited) (5) Subcontracting (FGK not accredited / cooperation partner accredited)

Re 1. test item:

5 Coverings with the designations "Frescolori Maranzo A", "Frescolori Maranzo B", "Frescolori Maranzo C", "Frescolori Maranzo D" and "Frescolori Maranzo E". Order number:

AB72655

Re 5. sampling / sample preparation:

Sampling and delivery were carried out by the client.

5.1/2. determination of slip-resistant properties according to DIN 51097 and DIN 51130

The delivered coverings with dimensions of approx. 50 x 100 cm² were used for measurement in the as-delivered condition. After testing according to DIN 51097, the surface was cleaned with deionized water, dried in ambient air and then tested according to DIN 51130.

Re 6. results:
6.1 Determination of the slip-resistant properties according to DIN 51097

Sample: "Frescolori Maranzo A"

Medium tilt angle: >30° Evaluation group: C

Sample: "Frescolori Maranzo B"

Medium slope: >30° Evaluation group: C

Sample: "Frescolori Maranzo C"

Medium slope: >30° Evaluation group: C

Sample: "Frescolori Maranzo D"

Medium slope: >30° Evaluation group: C

Sample: "Frescolori Maranzo E"

Medium slope: >30° Evaluation group: C

Table 1: Evaluation scheme DIN 51097

Average tilt angle	Evaluation group
≥ 12°	A
≥ 18°	B
≥ 24°	C

6.1 Determination of the slip-resistant properties according to DIN 51130

Sample: "Frescolori Maranzo A"

Corrected mean total acceptance angle: 11,9° Class of slip resistance: R 10

Sample: "Frescolori Maranzo B"

Corrected mean total acceptance angle: 19,2° Class of slip resistance: R 11

Sample: "Frescolori Maranzo C"

Corrected mean total acceptance angle: 23,2° Class of slip resistance: R 11

Sample: "Frescolori Maranzo D"

Corrected mean total acceptance angle: 13,4° Class of slip resistance: R 10

Sample: "Frescolori Maranzo E"

Corrected mean total acceptance angle: 18,1° Class of slip resistance: R 10

Table 2: Evaluation scheme DIN 51130

Corrected mean total acceptance angle	Slip resistance class
6° to 10	R 9
> 10° to 19	R 10
> 19° to 27	R 11
> 27° to 35	R 12
> 35°	R 13

Re 7. measurement uncertainties:

7.1/2. Determination of slip-resistant properties according to DIN 51097 and DIN 51130
Specification on request.