

Expert's reports

Skid resistance measurements\*

ESD/ATEX floor measurements\*

Client: Stone AGE BV  
attn Rutger Nieuwenhuis  
Butaanstraat 10a  
7463 PG Rijssen

Druuten, February 25, 2020.

Dear Mr Nieuwenhuis,

Enclosed you will find an overview of the test carried out with the results obtained thereby.

Flooring system: BaseBeton with 2 K PU

Stone AGE BV supplied the flooring system. The system was applied to 2 samples.  
The following test was carried out:



Karsten water absorption tester

A water absorption test gives an accurate answer to the question of water absorption per time unit / in volume / per surface unit.

The testing device, the "water absorption tester", has a glass bell with a diameter of round 30 mm and a welded calibrated measuring tube with volume indication (1 ml = 10 cm water column).

The bell of the water meter is sealed to the testing surface in an impermeable way.

Execution of the water absorption test on floors:

The "water absorption tester" is sealed with a plastic sealant, e.g. silicones, or the like, to the surface to be tested.

Pressing the bell tightly to the testing surface results in an impermeable connection.

In doing so, the sealant present within the bell will leave vacant a circle of approx. round 20 mm diameter, a testing surface of approx. 3 cm<sup>2</sup>.

For the test, the measuring tube is now filled with tap water by means of a squeeze bottle or an injector up to the zero setting, so that the testing surface will be under a pressure of approx. 10 cm WS.

During the water absorption, the bell is permanently pressed lightly by hand in order to prevent shifting as the glue is still plastic. At regular intervals, the water absorption is checked as from the zero setting.

As soon as 1 or 2 ml of water is absorbed, the measuring tube will be filled up again with water up to the zero setting in order to retain the pressure of 10 cm WS herein.

**Result:**

After 24 hours, no water was absorbed.  
After 2 x 24 hours, no water was absorbed.  
After 3 x 24 hours, no water was absorbed, end of test.

**Conclusion of water absorption test:**

The material is impermeable and does not absorb water.

**Other results of the measurements carried out:**

Gloss level: 11 g.u.

Scratch resistance: 2 - 3 N (DIN 55656).

Coffee stain after evaporation: fully removable with a red cleaning pad and water.



Coffee stain, half of it is removed



gloss measurement

*R Mijling*

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