Antislipbehandelingen

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Measurement reporting. Date 11-07-2018
Time: Between 2:00 PM and 3:00 PM. The temperature was 23 degrees and the weather was dry when measuring the test piece indoors.

Executive person: Marcel van Soelen.

We took measurements on 2 different parts of the test plate, one side of unprinted foil and one side of printed foil.

METHOD OF INVESTIGATION
In a number of European countries, including the Netherlands, there are no legal standards yet regarding the non-slip properties of floors. However, a Dutch technical agreement was reached in the Netherlands in 2003 as clarity regarding slip safety and skid resistance was lacking. This technical agreement is set out in NTA 7909:2003.
The NTA describes a measuring method that is easy to use in practice without the need for extensive research under laboratory conditions. The Floor Slide Control (FSC) 2000. This makes it possible to measure the actual situation with regard to skid resistance on location.

The device is placed on the surface and then independently moves approximately 35 cm over the surface, with a foot covered with different materials pressing on the surface. The different materials are: leather, plastic and rubber. The measurements are always carried out on a dry and on a wet surface.

FloorSafe for non-slip floors
NTA 7909
Principle Friction coefficient (μ) Deviation between dry and wet situation
1 Leather, applied in dry and wet conditions
>0.30
≤ 0.90
≤ 50%

2 Rubber and plastic, used in both dry and wet conditions
>0.44
≤ 0.90
≤ 50%

The measured value found may also be used for classification in the German DIN 51130 standard.
Class Friction coefficient (μ)

R9 (also: under R10) 0.00 – 0.18
R10 0.18 – 0.34
R11 0.34 – 0.51
R12 0.51 – 0.71
R13 0.71 and above

NO. 1Printed foil
Leather measured dry Rubber measured measured dry Plastic measured measured dry
μ = 0.49 μ = 0.92 μ = 0.83
Leather measured wet μ = 0.42
Rubber measured wet measured μ = 0.84
Plastic measured wet measured μ = 0.69

NO. 2 Unprinted foil (blank)
Leather measured dry μ = 0.48
Rubber measured dry μ = 0.91
Plastic measured dry measured μ = 0.93
Leather measured wet μ = 0.41
Rubber measured wet measured μ = 0.85
Plastic measured wet measured μ = 0.69

The foil meets R12 with plastic and rubber. The foil meets R11 with leather

If you have any questions, please let us know.
We trust that we have informed you to your satisfaction.

Yours sincerely,
VloerVeilig V.O.F.

Marcel van Soelen.