Reference: 2110024-(01 and 03)
Custom sheet: 22104742

TEST REPORT No. 221.I.2110.1051.ES.01

AT THE REQUEST OF:

COMPANY: AQG BATHROOM & DESIGN, S.L.
RESPONSIBLE: NOELIA BAEZA
ADDRESS: CR ALMORADÍ – ROJALES, km 1

POPULATION: 03160 ALMORADÍ (ALICANTE)
PHONE: 865.661.615
CIF: B-42.547.331

REGARDING:

SAMPLES: SHOWER TRAY LININGS

ESSAYS: GLIDE. SLIPPERY

SAMPLE RECEIPT DATE: 05/10/2021
TRIALS START DATE: 08/10/2021
COMPLETION DATE OF TRIALS: 08/10/2021

Document digitally signed by legal electronic signature.

THIS REPORT CONSISTS OF 6 CORRELATED NUMBERED PAGES.

The test sample that is the object of this report will remain at AIDIMME for a period of three months from the date of its issuance. After this period, it will be destroyed, therefore any claim must be made within these limits.

1. DESCRIPTION AND IDENTIFICATION OF THE TESTED SAMPLE. PRE-TEST INSPECTION

Samples of shower tray coating, identified by the client as:

FLAT GR 1
Sample referenced by AIDIMME as 2110024-01

CLASSIC GR 1
Sample referenced by AIDIMME as 2110024-03

2. ORIGIN OF THE SAMPLE

Samples supplied by the customer.

3. REQUESTED TEST

Slip resistance. slipperiness

4. ADAPTATION OF THE TEST TO STANDARD

The test method carried out coincides with what is indicated in the following standard:

UNE 41901 EX: 2017 *"Surfaces for pedestrian traffic. Determination of slip resistance by the friction pendulum method. Wet test"*

5. TEST METHOD

SLIP RESISTANCE

The plate is cleaned with soapy water, ethanol and allowed to dry. Samples are taken that offer a test surface of (136±1) mm x (86±1) mm, previously conditioned at (20±2)°C temperature and (50±5)% relative humidity.

The friction tester (pendulum) is placed on a flat surface and the leveling screws are adjusted so that the pendulum support column is vertical.

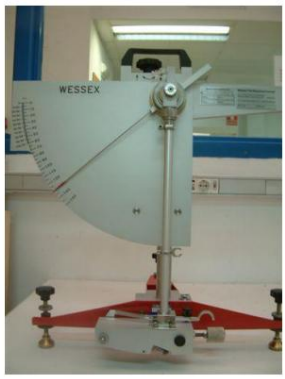
The pendulum rubs on the surface with a rubber shoe with an IHRD hardness between 53 and 61 (rubber shoe 57).

The hardness of the skid is verified at the time of the test, as well as the result with reference materials

Shoe Hardness (IHRD) = Between 53 and 63
PTV Reference tile = (25 ± 5)

The verification values are in accordance with the UNE 41901:2017 EX standard.

Next, the pendulum suspension shaft is raised so that the arm swings freely, and the friction of the pointer mechanism is adjusted so that when the pendulum arm and pointer are released from the horizontal position, the pointer is located at the zero position of the test scale.



Detail of the “Slip resistance” equipment

The test specimen is placed and moistened with water and the pendulum and needle are released from their original position so that when it passes over the specimen the full width of the rubber skid is in contact with the surface of the specimen along the length of the test specimen. full specified sweep length (126mm).

The pendulum is stopped on its return stroke, and the position of the needle on the scale is noted. This operation is repeated three times for each sample and the average value is taken.

The specimens are then replaced after having rotated them 180º and the operative procedure is repeated.

The slip resistance value of each test piece is the average value obtained taking the unit as an approximation.

The PTV value (Pendulum Test Value) is the average slip resistance of each test piece.

Considering the Technical Building Code - CTE - (applicable to buildings), in force since March 28, 2006, floors are classified according to their resistance to slipping, with the UNE 41901EX: 2017 standard, in accordance with the latest modification of RD 732/2019:

Classification of floors according to their slipperiness (*)	
Slip resistance (Rd) (PTV) less than or equal to 15	class 0
Slip resistance (Rd) (PTV) from greater than 15 to less than or equal to 35	class 1
Slip resistance (Rd) (PTV) from greater than 35 to less than or equal to 45	class 2
Slip resistance (Rd) (PTV) greater than 45	class 3

(*) Last modification according to RD 732/2019, of December 20, 2019

The higher the class number, the lower the risk of falling from slipping.

This code indicates the classes based on their use, given in the following table:

Class required of soils based on their location Location and soil characteristics	**Class**
dry inland areas - surfaces with slope less than 6% - surfaces with slope equal to or greater than 6% and stairs	1 2
Wet interior areas, such as entrances to buildings from the exterior space (1), covered terraces, changing rooms, showers, bathrooms, toilets, kitchens, etc. - surfaces with slope less than 6% - surfaces with slope equal to or greater than 6% and stairs	2 3
Outdoor areas. Pools (2). showers	3

(1) Except in the case of direct access to *restricted use areas.*
(2) In areas designated for barefoot users and at the bottom of pools, in areas where the depth does not exceed 1.50 m

6. RESULTS OBTAINED

FLAT GR 1 OUR AID 2110024-01

SLIP RESISTANCE
(UNE-41901EX: 2017) Pendulum scale: C

PARAMETER	RESULT			
Specimen identification	1	2	3	4
Slip resistance value (PTV) (mean value per test tube)	60	60	65	60
Slip resistance value (PTV) of the sample	**61**			
SLIPPERY CLASS (*)	**CLASS 3**			

(*) By analogy and considering the Technical Building Code - CTE - (applicable to buildings), in force since March 28, 2006 and modification according to RD 732/2019, of December 20, 2019", the samples are classified , according to its slip resistance, in accordance with the UNE 41901EX:2017 standard

CLASSIC GR 1 OUR AID 2110024-03

SLIP RESISTANCE
(UNE-41901EX: 2017) Pendulum scale: C

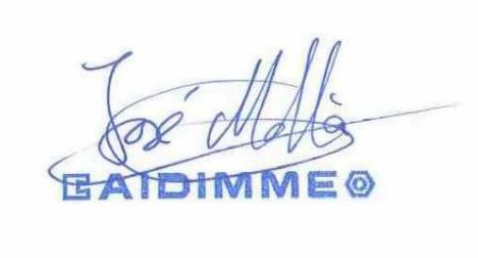
PARAMETER	RESULT			
Specimen identification	1	2	3	4
Slip resistance value (PTV) (mean value per test piece)	73	75	75	72
Slip resistance value (PTV) of the sample	**74**			
SLIPPERY CLASS (*)	**CLASS 3**			

(*) By analogy and considering the Technical Building Code - CTE - (applicable to buildings), in force since March 28, 2006 and modification according to RD 732/2019, of December 20, 2019", the samples are classified , according to its slip resistance, in accordance with the UNE 41901EX:2017 standard

The result of this test/s only concerns the object/s tested.

Date: October 13, 2021

Dr. Rosa Mª Pérez Campos Head of
the Department of Materials and Products AIDIMME



José Mollà Landete
Materials Laboratory Technician
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