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Bellaterra : 27th April 2020
Dossier number : **20/21100-950**
Petitioner's reference : **TOPCRET**
Gran Via de les Corts Catalanes 828
08016 Barcelona

TEST REPORT

RECEIVED MATERIAL

On december 12th, 2019, Applus Laboratories received several applied substrates of mortar with the following reference:

T/GRIP

REQUESTED TESTS:

- Determination of Slip Resistance Value (USRV). UNE-ENV 12633:2003, Annex A.

TEST DATE: from 11/12/2019 to 25/02/2020

RESULTS : See annexes pages

Responsible for Construction Mat.
LGAI Technological Center, S.A.

Technician Responsible
LGAI Technological Center, S.A.

The results specified in this document correspond exclusively to the material received in Applus Laboratories and tested according to the indications that they present.

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RESULTS:

- **Determination of Slip Resistance Value (USRV). UNE-ENV 12633:2003, Annex A.**

Determination	Slip Value USRV (R_d) (wet surface)
1	55
2	56
3	52
4	52
5	56
Mean	54

The test was carried out on a net length of 126 mm,
Test Temperature: 22°C

INFORMATION NOTE

According to the Technical Building Code, Section SU1 insurance against the risk of falls, making the test for resistance to sliding / slippage of pavements (USRV) with the wet surface with water as indicated by the UNE-ENV 12633:2003, provides the following classification:

Table 1.1; Classification of the soils according to their slipperiness

Slip resistance R_d	Class	Class 3
$R_d \leq 15$	0	
$15 < R_d \leq 35$	1	
$35 < R_d \leq 45$	2	
$R_d > 45$	3	

Table 1.2; Class required of soils according to their location

Location and soil characteristics	Class
Interior dry areas:	
sloping surfaces <6%	1
sloping surfaces $\geq 6\%$ and stairs	2
Interior wet areas such as entrances to buildings from outer space ⁽¹⁾ , covered terraces, changing rooms, bathrooms, toilets, kitchens, etc.	
sloping surfaces <6%	2
sloping surfaces $\geq 6\%$ and stairs	3
Outdoor areas. pools ⁽²⁾	3

⁽¹⁾ Except in the case of direct access to restricted areas.

⁽²⁾ Areas planned for barefoot users and at the bottom of the vessels, in areas where the depth does not exceed 1,5m.

Service Quality Assurance

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Within our improvement program we would be grateful if you would send us any commentary that you consider opportune, to the person in charge who signs this document, or to the Quality Manager of Applus+, in the following e-mail address: satisfaccion.cliente@applus.com