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TECHNICAL REPORT

Report No.: IN-01358/2020-2
Total pages: 3

PRESENTED SAMPLE

Sample description:

According to the information provided by the applicant:

**Product description: TARIMA TECNOLÓGICA
WOOD PLASTIC
60% MADERA, 40% HDPE NO TÓXICO**

Reference: WOOD PLASTIC WPC PROFILE



Date of entry: July 31st 2020

REQUESTED TESTS

- Test(s) according to UNE-EN 14041:2018
- 4.6 RESILIENT AND LAMINATED FLOOR COVERINGS. EVALUATION OF THE PROPENSITY TO ACCUMULATE ELECTROSTATIC CHARGES.
Standard: UNE-EN 1815:2017

This report is a translated copy of the report IN-01358/2020-1, issued by LEITAT on August 26th, 2020.

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Terrassa, October 14th, 2020

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RESILIENT AND LAMINATED FLOOR COVERINGS. EVALUATION OF THE PROPENSITY TO ACCUMULATE ELECTROSTATIC CHARGES.

Standard: UNE-EN 1815:2017

According to: UNE-EN 14041:2018, section 4.6 (“Electrical Behaviour”)

Scope: This standard specifies a method for determining the body voltage generated when a person wearing standardised footwear walks on a resilient floor covering, or on a floor covering.

Test equipment: Electrostatic field measurement set, PROSTAT PFK-100, nº EQ693
Chronometer, VENTIX, nº EQ1389

Conditioning of the specimens: ≥ 168 hours / $(23 \pm 2)^{\circ}\text{C}$ / $(25 \pm 2)\%$ r.h.

Test conditions:

Test atmosphere: 24°C / 27% h.r.

Identification of the test sample: According to the information provided by the applicant

- *Product description: TARIMA TECNOLÓGICA WOOD PLASTIC 60% MADERA, 40% HDPE NO TÓXICO; Reference: WOOD PLASTIC WPC PROFILE*

Number of specimens: 4 assembled slats with mechanical fixing to 4 wooden strips

Dimensions of the specimen:

- Assembled slats: 1400 mm x 100 mm x 22 mm
- Wooden strips: 30 mm x 540 mm x 50 mm

Type of test: Method A (operative procedure under laboratory conditions)

Backing plate: The floor covering is considered to be glued to the concrete or to a Surface that has earth resistance $\leq 10^9 \Omega$. Aluminum backing plate (1000 mm x 2000 mm) grounded (with an earth resistance $\leq 10^9 \Omega$)

Rubber mat: Not used ($\leq 10^9 \Omega$)

Test shoe soles:


- Size: 42 european
- Materials: Rubber / polyvinyl chloride (PVC)

Date of performance: August 25th, 2020

Results:

| MAXIMUM CHARGE ACCUMULATED ON THE PERSON | | |
|--|--------------------|--------------------|
| Specimen | Shoes shoe | |
| | Rubber | PVC |
| #1 | 0,21 kV (-) | 0,17 kV (-) |
| #2 | 0,25 kV (-) | 0,15 kV (-) |
| #3 | 0,21 kV (-) | 0,19 kV (-) |
| Mean value | 0,22 kV (-) | 0,17 kV (-) |

Requeriment according to UNE-EN 14041:2018, section 4.6, table 6:

| Electrical behaviour | Types of floor coverings ^a | Specification with test methods | Test conditions | Evaluation requirements | Ways of expressing benefits |
|--|---------------------------------------|---------------------------------|--|----------------------------|---|
| Anti-static | R | EN 1815 | Directly on the metal base plate and at 25% r.h. | BV ^b ≤ 12,01 kV | “Induced voltage ≤ 12,01 kV” or “Anti-static” or graphical symbol ^c |
| ^a Types of floor covering: R= Resilient ^b BV = Unduced voltage (kV), for anti-static performance ^c Graphical symbol | | | | |  |