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TEST REPORT CONCERNING THE ELECTROSTATIC PROPERTIES OF FLOOR COVERINGS

N° 02EL562 e

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This test report attests only characteristics of the sample submitted for testing and does not prejudge characteristics of similar products. It thus does not constitute a certification of products within the meaning of the L115-27 article of the consumption code of June 3, 1994.

REFERENCE	:	EMINENT SAFE T
RESQUEST BY	:	TARKETT SOMMER AB S/372 81 Ronneby (Sweden)

*The reproduction of this test report is only authorised in the shape of an integral photographic facsimile.
It comprises 4 pages of which one in appendix.*

1. SUBJECT:

Evaluation of the electrostatic properties of floor coverings, in laboratory, by measurements of propensity to the generation of electrical charge and electrical resistance according to the standardised testing methods.

2. TESTING METHODS:

Tests carried out according to the standard

- NF EN 1815 – 1998 : Resilient and textiles floor coverings – Assessment of static electrical propensity.
- NF EN 1081- 1998 : Determination of electrical resistance

3. IDENTIFICATION OF THE SAMPLES:

Sample reference : EMINENT SAFE T

Manufacturer : TARKETT SOMMER AB
S/372 81 RONNEBY

Sample description : *Homogeneous vinyl floor covering.*

Mass per area	:	2820 g/m ²
Thickness	:	2,0 mm
Reception date	:	03/12/01
Test carried out	:	16/01/02
Order nr	:	4792 - 268

4. PARTICULAR CONDITIONS:

Conditioning: at least 7 days at the temperature of 23°C ±1°C & relative humidity of 25% ±2%.
The tests are carried out in the same environmental conditions .

Apparatus

- Electrometer Keithley 616 with probe high-voltage with condenser divider 1/1000 calibrated.
- Tera-Ohmetre ELTEX 6206
- Electrodes conform to NF EN 1081 standardisation
- Metal bearing plate connected to the ground and of a plate of rubber insulating 100 X 200 cm in conformity with NF EN 1815 standard.
- Sandals with "rubber BAM" soles and "Neolite" soles.

5. RESULTS:**5.1 Assessment of static electrical propensity expressed in kilovolts (kV):**

Number and dimensions of specimen : 1 piece of 100 x 200 cm

3 measures are taken with the 2 types of soles.

Without the isolating rubber mat in order to reproduce the conditions of a floor slab in cement of which the earth resistance is $\leq 10^9 \Omega$ (see 3rd clause of the 6.2.1 paragraph in the NF EN 1815 standard)

SOLES TYPE	SYNTHETIC NEOLITE	RUBBER B.A.M
Test NR 1	1.1	1.4
Test NR 2	1.0	2.0
Test NR 3	0.9	1.6
Average in kV	1.0	1.7

5.2 Determination of the transversal resistance and the surface resistance :

6 measures of the specimen of 3 tiles of 50 X 50 cm

Resistance measurements	Transversal (Ω)	Surface (Ω)
Measure NR 1	$6,7 \cdot 10^{11}$	$1,0 \cdot 10^{13}$
Measure NR 2	$7,4 \cdot 10^{11}$	$6,2 \cdot 10^{13}$
Measure NR 3	$5,1 \cdot 10^{11}$	$3,7 \cdot 10^{13}$
Measure NR 4	$2,4 \cdot 10^{11}$	$1,6 \cdot 10^{13}$
Measure NR 5	$2,9 \cdot 10^{11}$	$0,7 \cdot 10^{13}$
Measure NR 6	$3,7 \cdot 10^{11}$	$1,5 \cdot 10^{13}$
Geometric average	$4,3 \cdot 10^{11}$	$1,8 \cdot 10^{13}$

Made in Sedan, on 14 February 2002

Technician in charge of the tests
A. HUMBERT

Responsible of testing laboratory
J. HAJEWSKI

ANNEX

Standardised Specifications:

EMINENT SAFE T described in this report, applied under the conditions described in the 3rd clause of the 6.2.1 paragraph of the EN 1815 standard, answers to following electrostatic classifications:

- **ASF-classe2** (*) according to international standard IEC 1340-4-1 (1995-06)
- **Classe 1** according the NF P 62-001 (1996) French standard

** the IEC 1340-4-1 standard allows results of measures from other national methods or international.*