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File Number **19/31702744**

TEST REPORT
Transversal resistance, R1

Petitioner's Reference: TECNOPOL

Customer Address: C/ Finlandia, 33
08520 Les franqueses del Vallès
Barcelona – Spain

Material ensayado: Pavement

Brand:	Tecnocoat P-2049 AS	Nº of samples:	3 Samples
Denomination:	Polyurea membrane	Internal Id. Nbr.:	7719/1, 7719/2, 7719/3

Applicable Standards:

UNE-EN 1081:1998 *Resilient floor coverings. Determination of the electrical resistance*

Nominal characteristics

Denomination of product:	Polyurea membrane
Dimensions(cm):	40x50
Thickness (mm):	25,4 – 27,1
Colour:	Grey

Date of issue: Bellaterra, April 10, 2019

Albert Marginet Morales
Technical Manager
Electrical and Electronics
LGAI Technological Center S.A.

The results refer only and exclusively to the sample, product or material delivered for testing in "Received Material" section above.
The equipment has been tested under conditions stipulated by standard(s) quoted in this document.
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This is the first page of the document, which consists of 5 pages of which 1 are annexes.

GENERAL INFORMATION

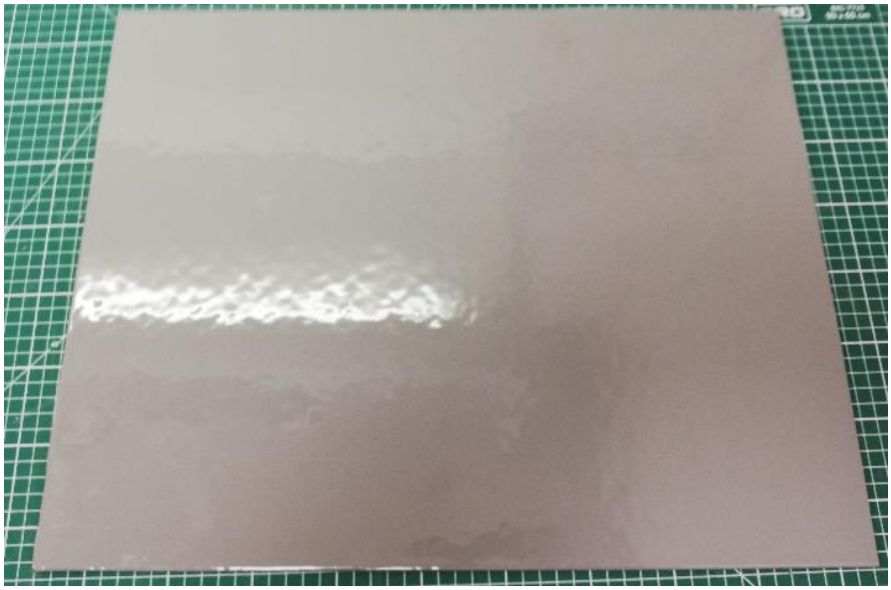
General data

Report Number:	**19/31702744**
Tested by:	Marc Alfocea Jimenez
Verified by:	Jaume Vila
Date of receipt:	28/03/2019
Date of performance of test (start):	28/03/2019
Date of performance of test (end):	03/04/2019
Testing Laboratory:	LGAI Technological Center, S.A.
Address:	Campus de la UAB. Ronda de la Font del Carme, s/n 08193 Bellaterra (Barcelona – España)

Measuring uncertainties

Measurement uncertainties have been calculated and are available to the customer on request

Photograph of sample



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PROCEDURE

Test description

A clean tripod electrode is placed on the surface of the dry sample and is connected to the resistance meter, which is also connected to a plate electrode placed under the sample.

A load is applied to the electrode that exerts a minimum force of 300 N on the sample, and the voltage is connected.

The resistance is read between 10 seconds and 15 seconds after the voltage connection.

Three measurements are randomly distributed on the sample.

Test conditions

Applied measurement method:	Resistance measurement
Tension applied:	500 V DC
Time of application of tension:	10s-15s
Force applied on the tripod	300 N

Preconditioning of the samples

Cleaning:	The samples are cleaned with isopropyl alcohol
Preparation of the samples:	The lower face of each sample is coated with a suspension of colloidal graphite diluted in water and dried at a temperature of 40 ± 2ºC for a minimum of 96 h
Conditioning:	>48h a 23 ±2ºC , 50±5 %HR

Information / comments

Applied specifications:

UNE-EN 1081:1998 *Resilient floor coverings. Determination of the electrical resistance*

RESULTS

Environmental conditions during tests

Temperature (ºC)..... : 22,1-22,3

Relative humidity (%)..... : 38-55

Results

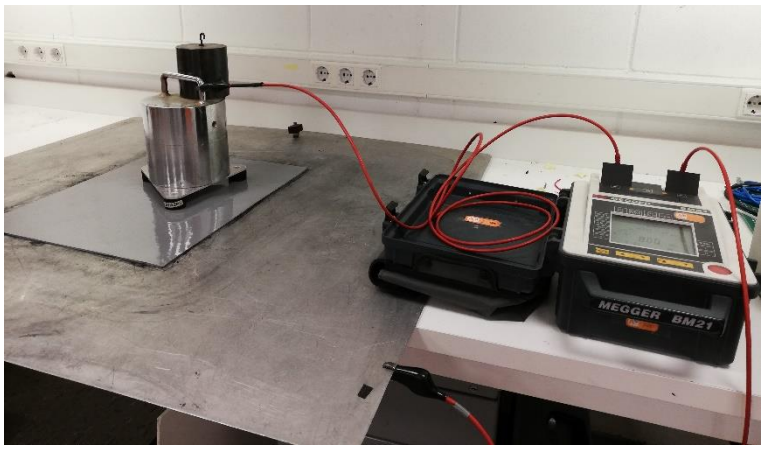
Sample	Point 1		Point 2		Point 3		Average value R1 (Ω)
	Transversal resistance R1 (Ω)	Applied voltage (V dc)	Transversal resistance R1 (Ω)	Applied voltage (V dc)	Transversal resistance R1 (Ω)	Applied voltage (V dc)	
7719/1	9,40 x 10^6	500	10,7 x 10^6	500	10,8 x 10^6	500	10,3 x 10^6
7719/2	6,45 x 10^6	500	7,85 x 10^6	500	8,80 x 10^6	500	7,7 x 10^6
7719/3	9,25 x 10^6	500	8,65 x 10^6	500	8,00 x 10^6	500	8,6 x 10^6

Conclusions

Global average value R1 (Ω)	8,8 x 10^6
Minimum value R1 (Ω)	6,4 x 10^6
Maximum value R1 (Ω)	10,8 x 10^6

ANNEX. PHOTOGRAPHS

Preconditioning of the samples



Test setup