



Centre de Recherches  
et d'Etudes Techniques  
du Tapis

## TEST REPORT N° RL 2011/275-1

DELIVERY : 20/09/2011

MATERIAL RECEIVED : 13/09/2011

ORIGIN : LS CABLE & SYSTEM  
643, Jinpyeong-dong, Gumi-Si, Gyeongbuk  
730-360  
KOREA

NAME OF QUALITY : **PURGOTEX**

TESTS TYPE : DETERMINATION OF TOTAL MASS LOSS USING THE  
LISSON TEST

DETERMINATION OF SURFACE PILE WEIGHT

The Technical Director  
**Marc WELCOMME**

Head of Test  
**David VANDIERDONCK**

This test report may only be copied and / or reproduced as an integral, photographic  
facsimile

It contains **3** page(s) and **0** annex(s).

The results which have been obtained by means of the sample specified above, may  
not be generalised without justification of the representativeness of the samples.

I – DESCRIPTION OF THE MATERIAL

- Manufacturing type : Flocked carpet
- Surface type : Cut pile, printed
- Backing type : PVC
- Colouring : Yellow

II – MATERIAL IDENTIFICATIONII.1 – Characteristics individual results (in accordance with ISO 8543 chapter 6- 8)

Test Sample	1	2	3	4	5
Total weight (g/m <sup>2</sup> )	1708	1699	1682	1697	1696
Surface pile weight (g/m <sup>2</sup> )	170	171	170	168	169

II.2 – Characteristics : average values

- \* Total weight (g/m<sup>2</sup>) : 1696 Coefficient of variation: 0,6 %  
\* Surface pile weight (g/m<sup>2</sup>) : 170 Coefficient of variation: 0,7 %

III – DETERMINATION OF MASS LOSS USING THE LISSON TEST (in accordance with NF EN 1963-Method A – June 2007)III.1 - Individuals valuesSurface pile weight : 170 g/m<sup>2</sup>

Test sample	N°1	N°2	N°3	N°4
(1) m <sub>1</sub> (g)	260,05	258,60	249,23	264,13
(2) m <sub>2</sub> (g)	259,15	257,44	248,51	263,19
(3) m <sub>v</sub> (g/m <sup>2</sup> )	20,08	25,88	16,06	20,97
(4) m <sub>IV</sub> (%)	11,81	15,22	9,45	12,33
(5) I <sub>TR</sub>	2,2	2,1	2,3	2,2

- (1)  $m_1$  = mass of the initial conditioned sample before the test, in grams
- (2)  $m_2$  = mass of the final conditioned sample after the test, in grams
- (3)  $m_v$  = mass loss per unit area, in grams per square metre
- (4)  $m_{rv}$  = relative mass loss , in %
- (5)  $I_{TR}$  = wear index

**III.2 – Averages values :**

$m_v = 20,75 \text{ g/m}^2$   
Coefficient de variation : 19,4 %  
Confidence level at 95 % : [ 12,69 ; 28,81 ]  $\text{g/m}^2$   
 $m_{rv} = 12,20\%$   
 $I_{TR}$  calculated = 2,2  
 $I_{TR}$  corrected = 3,0\*

**Note:**

(\*) :When it comes to flocked carpet to class 23/32 and 33  $I_{TR}$  is considered  $\geq 3,0$  when the mass loss ( $m_v$ ) is  $< 35 \text{ g/m}^2$ .

The relative loss mass ( $m_{rv}$ ) required is the EN 1307 standard "Classification of pile carpets" must be  $\leq 25\%$ .

In these conditions, this quality meets the requirement in behaviour to wear for **class 33**.

\*\*\*End of report\*\*