

TEST REPORT N° RL 2013/300-1

DELIVERY : 24/10/2014

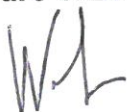
MATERIAL RECEIVED : 19/08/2013

ORIGIN : VIGANO PAVITEX
Via Carlinga 35
24035 CURNO
ITALY

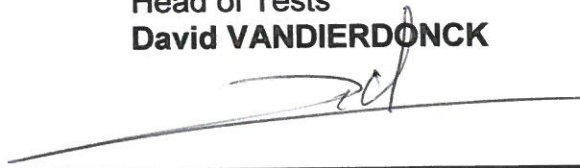
NAME OF QUALITY : "CORD – BROSS – STREAM "
(news trademarks of test report 2013/300-1
10/09/2013)

TESTS TYPE : Reaction to fire tests for floorings according to ISO 9239-1
(June 2010)
Part 1: Determination of the burning behaviour using a
radiant heat source

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It contains 4 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.

ORIGIN OF THE SAMPLE TO CONSIDER:

Sample provided by the applicant of the test

PRODUCT DESCRIPTION DETERMINED BY THE LABORATORY:

Needled ribbed pile carpet (EN 13297 family product).

INFORMATION GIVEN BY THE CUSTOMER :

Composition of use-surface : 100% polypropylene
Type of primary backing : SBR latex + flame retardant
Type of backing : -
Total mass per unit area : 2060 g/m²
Total thickness : 9,9 mm

Colouring : Brown

Flame retardant : yes

Description of test specimens :

*Substrate : Fibre cement board
Density (1800 ± 200) kg /m³
Dimensions 105 cm x 23 cm
Thickness (8 ± 2) mm

Installation : Glued (acrylic glue with 350 g/m²)

Cleaning : none

Cleaning product used : --

Machine type : --

Conditioning :

At least 14 days conditioning at (23±2)°C and (50± 5) % relative humidity.

Eventual deviations from the test method :

None

DATE OF TEST :

05/09/2013

DURATION OF THE TEST :

The radiation is maintained for 30 minutes.

RESULTS :**1) HEAT FLUX**

Specimen	Flame front distance (mm)			Heat flux (kW/m ²)			Duration of flaming (min/s)	Maximum flame front distance (mm)	Critical Heat flux CHF (kW/m ²)
	10 min	20 min	30 min	HF 10	HF 20	HF 30			
1 (L)*	380	390	390	5,7	5,5	5,5	30 min 00 s	390	5,5
1 (T)*	330	350	370	6,7	6,3	5,9	30 min 00 s	370	5,9
2 (L)	320	380	420	6,9	5,7	4,9	30 min 00 s	420	4,9
3 (L)	320	390	410	6,9	5,5	5,1	30 min 00 s	410	5,1
Average (L)									5,2

(L)* → Longitudinally direction

(T)* → Transversally direction

Observations : none

Distance burnt (mm)	Time for each specimen to burn in minutes (min) and seconds (s)			
	1 (Longitudinally)	1 (Transversally)	2 (Longitudinally)	3 (Longitudinally)
50	2 min 40 s	3 min 00 s	2 min 40 s	2 min 40 s
100	3 min 30 s	3 min 40 s	3 min 10 s	3 min 00 s
150	4 min 30 s	4 min 30 s	4 min 00 s	3 min 20 s
200	5 min 20 s	5 min 00 s	5 min 00 s	4 min 50 s
250	6 min 30 s	6 min 30 s	6 min 10 s	6 min 50 s
300	7 min 30 s	8 min 50 s	8 min 20 s	8 min 50 s
350	8 min 40 s	18 min 50 s	14 min 10 s	13 min 50 s
400			24 min 30 s	21 min 20 s
450				
500				

2) SMOKE DENSITY

Specimen	Maximum light attenuation (%)	Smoke development (% X min)
1 (L)*	90,4	623,2
1 (T)*	87,6	654,2
2 (L)	87,3	615,9
3 (L)	91,7	676,4
Average (L)	89,8	638,5

(L)* → Longitudinally direction

(T)* → Transversally direction

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

End of report