

TEST REPORT N° RL 2015/620-1

DELIVERY : 15/12/2015

MATERIAL RECEIVED : 27/11/2015

ORIGIN : TARKETT SAS
2 avenue François Sommer
08203 SEDAN
FRANCE

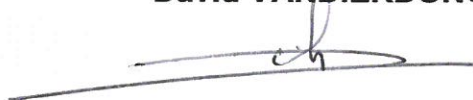
NAME OF QUALITY : **Id Square**

TESTS TYPE : Reaction to fire tests for floorings according to
NF EN ISO 9239-1 (February 2013)
Part 1: Determination of the burning behaviour using a
radiant heat source

The Technical Director
Marc WELCOMME



Head of Tests
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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:

Polyvinyl chloride floor coverings with foam layer in size tile of 50 cm x 50 cm (EN 651 family product).

INFORMATION GIVEN BY THE CUSTOMER :

Technology of manufacturing : Coating
Composition of use-surface : 100% PVC
Type of backing : Chemical foam
Total mass per unit area : 5460 g/m²
Total thickness : 4,50 mm
Total wear layer: 0,80 mm
Colouring : Patine gris
Reference: 24564002 – batch: 225355701

Flame retardant : yes

Description of test specimens:

*Substrate : Wood panel particle board without flame retarded (13238:2012)
Density (680 ± 50) kg /m³
Dimensions 105 cm x 23 cm
Thickness (20 ± 2) mm

Installation : Loose laid
Cleaning : none

Conditioning :

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

Eventual deviations from the test method:

None

Date of test:

14/12/2015

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)*	230	230	230	8,8	-	-	19 min 10 s	230	8,8
1 (T)*	230	230	230	8,8	-	-	17 min 10 s	230	8,8
2 (L)	220	220	220	9,0	-	-	18 min 50 s	220	9,0
3 (L)	230	230	230	8,8	-	-	17 min 40 s	230	8,8
Average (L)									8,9

(L)* → Longitudinally direction

(T)* → Transversally direction

Observations :

Specimen is mounted in such a way at least one joint is situated 250 mm from the zero point.

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 20 s	2 min 10 s	2 min 10 s	2 min 10 s
100	2 min 40 s	2 min 30 s	2 min 40 s	2 min 40 s
150	3 min 20 s	3 min 00 s	3 min 10 s	3 min 40 s
200	4 min 00 s	3 min 30 s	3 min 50 s	4 min 20 s
250				
300				
350				
400				
450				
500				

2) SMOKE DENSITY

Specimen	Maximum light attenuation (%)	Smoke development (% X min)
1 (L)*	81,8	521,9
1 (T)*	78,9	504,1
2 (L)	85,7	533,6
3 (L)	83,6	544,8
Average (L)	83,7	533,4

(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.

C.R.E. T is notified by the French Government to the European Commission under n°NB 2401.

End of report