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Date

30/01/12

TEST REPORT 11-1093

Samples received:

Marmoleum Decibel 3.5mm Batch nr. 87440, adhesive Eurocol 640, substrate Chipboard Received on 9/12/2011

Aim of the test:

Determination of fire behaviour

Test conditions:

Standard:

EN ISO 9239-1 (2002)*

Method:

Before the test the samples are not cleaned with a spray-extraction machine.

A floorcovering has been glued on wood by the customer. During the test, the specimen is irradiated by a gas radiator at an angle of 30°. A small flame is used to ignite the specimen. The specimen is ignited during 10 minutes. In case of inflammable specimens, the test lasts until the flame is extinguished, but 30 minutes at the most. The criterion is the burned length, from which the critical

radiant flux is deduced using a calibration curve.

The test EN 11925-2 has not been performed because the carpet fulfils the requirements of EN 14041 page 8 section 4.1.4 table 2. The carpet has a total mass of 3100 $\,\mathrm{g/m^2}$ and a surface pile thickness of 3.5 mm as obtained by the

customer.

Number of tests:

4

Measurement

The relative reproducibility for 3 repetitions is 15.6% for the flux, 84.5% for the

uncertainty: smoke development.

Conditioning

23 ± 2 °C and 50 ± 5 % R.H.

samples:



055-test

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The test results only apply to materials that correspond to the tested sample. Forgery will be legally prosecuted, just like partial reproduction without prior written permission. Tests that are marked *are accredited, those marked ° are not accredited. Advices and interpretations are not covered by the accreditation.

The department of Textiles is Notified laboratory n°1611 for the European Products directive 89/106/EC.

The tests were performed in week 50/2011

OBTAINED RESULTS

a) Critical Flux:

Sample	Burned length (mm)			
	after 10 min	after 20 min	after 30 min	
Width	355	355	355	
Length	400	410	410	
Length	410	450	450	
Length	395	395	395	
average (of length)	402	418	418	

Sample	Burned length maximum (mm)	Extinction (s)	Critical Flux (kW/m²)	
Width	355	1389	6.2	
Length	410	1245	5.2	
Length	450	1266	4.5	
Length	395	1254	5.5	
average (of length)	418	-	5.1	

b) Smoke development:

Sample	Smoke development (%min)			Smoke development (%min)	
	after 10 min	after 20 min	after 30 min	Maximum	
Width	258	327	338	338	
Length	253	318	321	321	
Length	256	339	344	344	
Length	266	345	350	(350 /)	
average (of length)	258	334	338	338/	

Didler Van Daele Head of floorcovering/fire tests

Prof. Dr. Paul KIEKENS, dr. h. c. Head of Department

ENCLOSURE TO REPORT 11-1093

Classification according to EN 13501 -1 (2002)°

Classification	EN ISO 11925-2 (ignition time = 15 s)	EN ISO 9239-1 (test period = 30 min)	CLASS
Вп	Fs ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m²	
C fi	Fs ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m²	Х
D fl	Fs ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m²	
E fl	Fs ≤ 150 mm in 20 s	No demand	
F _{fl}	No demand	No demand	

Additional classification smoke development according to EN 13501-1 (2002)°

		CLASS
Smoke development ≤ 750%.min	s1	х
Smoke development > 750%.min	s2	