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Report No. 402099-04 Fire Behaviour Classification according to EN 13501-1:2010

1 Introduction

This fire behaviour classification report defines the classification of the construction product "Markant" in accordance with the procedures according to EN 13501-1:2010.

2 Procedure

		toutile flagge covering		
construction product	Construction product			
	Sample designation	Markant		
	Type of manufacture	flat needle felt		
	Type of surface			
	Fibre composition of use surface			
	Type of backing	textile fleece backing		
	TFI reference no			
	Order date	03.12.2010		





The construction product is entirely described in the test report mentioned under section 3 and its annex KT.

3 Test Reports and Test Results Used for the Classification

3.1 Test Reports

Name of testing body	Ordered by	Construction product	Test report No.	Test methods
Textiles &	Forbo Reims (Textile)	textile floor covering	402099-03	EN ISO 9239-1:2010
Flooring			402099-03	EN ISO 11925-2:2002
Institute GmbH				(15s ignition time)

3.2 Test Results

			Number	Test results	
	Test methods	Characteristics	of tests	average	requirements fulfilled (Y/N)
uc C	EN ISO 9239-1:2010	critical radiant flux (kW/m²)		9,6	
construction product		smoke development (% x min)	3	53	
constru	EN ISO 11925- 2:2002	charred distance ≤ 150 mm	6	**	Y

4 Classification and Application

4.1 Reference

This classification is performed according to EN 13501-1:2010.

4.2 Classification

With regard to the fire behaviour, the tested construction product is classified as
Additionally, with regard to the smoke development, the tested construction product is classified:s1



Thus, the construction product tested obtains the following classification:

B _{fl}		-	s	1	i.e.	B _{fi} -s1
Burning be	haviour	4	Smoke de	velopment		

4.3 End-Use Application

The classification is only valid for the construction product as described under sections 2. and 3., used as a horizontal floor covering installed on a mineral substrate according to EN 13238:2010, using adhesives or not.

5 Restrictions

Provided that the construction product is marked with the CE-label according to system 3 attestation of conformity, the following declaration shall be enclosed:

"The classification assigned to the construction product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE-marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the product's design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Aachen, 04.01.2011



ppa. Dr. Jens-Christian Winkler

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