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Report No. 410779-02

Fire Behaviour Classification according to EN 13501-1:2010

1 Introduction

This fire behaviour classification report defines the classification of the construction product “Sample carpet (100 % wool)” in accordance with the procedures according to EN 13501-1:2010.

2 Procedure

construction product	Construction product.....textile floor covering
	Sample designation Sample carpet (100 % wool)
	Type of manufacture woven
	Type of surface cut pile
	Fibre composition of use surface 100 % wool
	Type of backing finish
	TFI reference no 11-05-0034
	Order date 02.05.2011

Customer.....SERKO HALI
 Report issued byDipl.-Ing. Ulrike Balg, direct dial -133

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 & Flooring Institute GmbH	SERKO HALI	textile floor covering	410779-01	EN ISO 9239-1:2010
				EN ISO 11925-2:2010 (15s ignition time)

3.2 Test Results

	Test methods	Characteristics	Number of tests	Test results	
				average	requirements fulfilled (Y/N)
construction product	EN ISO 9239-1:2010	critical radiant flux (kW/m ²)	3	9,1	
		smoke development (% x min)		74	
	EN ISO 11925-2:2010	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 **B_{fl}**

Additionally, with regard to the smoke development, the tested construction product is classified:..... **s1**

Thus, the construction products tested obtain the following classification:

Burning behaviour		Smoke development	
B_{fl}	-	s 1	i.e. B_{fl}-s1

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, 30.05.2011

Dr. Ernst Schröder



The present document is provided with a qualified electronic signature and is valid without autograph signature.

The present test report is established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the Textiles & Flooring Institute GmbH, also with regard to the order execution.