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## Report No. 391084-04

### Fire Behaviour Classification according to EN 13501-1:2007

#### 1 Introduction

This fire behaviour classification report defines the classification of the construction product "Solid PUR" in accordance with the procedures according to EN 13501-1:2007.

#### 2 Procedure

<b>Construction product</b>	Construction product .....	resilient floor covering
	Sample designation.....	Solid
	Type of manufacture .....	PVC floor covering
	Type of surface .....	structureless
	Material .....	polyvinyl chloride with PUR Eco system blooming
	TFI reference n° .....	09-07-0195, 09-07-0196
	Order date.....	29.07.2009

Customer ..... Armstrong DLW AG

Report issued by..... Dipl.-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 the testing body	customer	Construction product	Test Report n°	Test methods
Textiles & Flooring Institute GmbH	Armstrong DLW AG	resilient floor covering	391084-03	EN ISO 9239-1:2002
				EN ISO 11925-2:2002 (15s ignition time)

#### 3.2 Test Results

	Test methods	Parameter	Number of tests	Test results	
				average	requirement met (Y/N)
Construction product	EN ISO 9239-1:2002	critical radiant flux (kW/m <sup>2</sup> )	3	8,5	
		Smoke development (% x min)		531	
	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 13501-1:2007.

**4.2 Classification**

With regard to the fire behaviour,  
the tested construction product is classified: ..... **B<sub>fl</sub>**

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

Thus, the construction product tested obtains following classification:

Burning behaviour		Smoke development		
<b>B<sub>fl</sub></b>	-	<b>s</b>	<b>1</b>	i.e. <b>B<sub>fl</sub>-s1</b>

**4.3 End-Use Application**

The classification is only valid for the construction product as described under sections 2., 3. and 4. used as a horizontal floor covering installed on a wood chipboard according to EN 13238:2001, using adhesives (dispersion adhesive "UZIN LE 44", manufacturer UZIN UTZ AG).

**5 Restrictions**

This classification report replaces neither a type-test report nor a product certification.

Aachen, 27.08.2009



ppa. Dr. Jens-Christian Winkler  
 - Authorized Manager -

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