

**Classification of reaction to fire
in accordance with EN 13501-1 : 2007**

No. of Classification Report:

K-3720/543/09-MPA BS

Sponsor:

Expotrade Group GmbH
Herrschaftswiesen 17
6842 Koblach
Austria

Product:

PU-coated polyester fabric :
Product name: 500 DEN Polyester (weiss)

Classification basis:

DIN EN 13501-1: 2010-01

Notified Body No.:

0761-CPD

Issue date:

01.11.2010

Limitation:

This classification document does not represent type permission or the certification of the product.

This Classification Report consists of 5 pages.

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1 Introduction

This Classification Report defines the classification assigned to the product „500 DEN Polyester (weiss)“ in accordance with the procedures given in EN 13501-1 : 2010.

2 Details of the classified product

2.1 Type and application

The classified product „500 DEN Polyester (weiß)“ is a white double-sided PU-coated polyester fabric. It is used for tent walls and textile enclosures.

2.2 Product Description

The product is described in detail in the Test Report that is listed in section 3.1 below and on which this classification is based.

3 Test Reports and Test Results for classification

3.1 Test Report

Name of test laboratory	Client/manufacturer	Number of Test Report	Test method
MPA Braunschweig	Expotrade Group GmbH Austria	3720/543/09-1a	DIN EN 13823 from 01.11.2010
MPA Braunschweig	Expotrade Group GmbH Austria	3720/543/09-1b	DIN EN ISO 1716 from 01.11.2010

3.2 Test Results for the Product „500 DEN Polyester (weiss)“

Test method	Parameter	Number of tests	Test results	
			Continuous parameters (mean value)	Discrete parameters
EN 13823	FIGRA _{0,2 MJ}	3	1	-
	FIGRA _{0,4 MJ}	3	1	-
	THR _{600s} (MJ)	3	0,6	-
	LFS < edge	3	-	yes
	SMOGRA (m ² /s ²)	3	2	-
	TSP _{600s} (m ²)	3	36	-
	Flaming droplets/ particles	3	-	no
EN ISO 11925-2				
Flames applied to surface 30 s flame exposure period	F _s ≤ 150 mm	6	-	yes
Flaming droplets/ particles	Ignition of the filter paper	6	-	no
Flames applied to edge 30 s flame exposure period	F _s ≤ 150 mm	3	-	yes
Flaming droplets/ particles	Ignition of the filter paper	3	-	no

4 Classification and direct field of application

4.1 Classification basis

This classification was conducted in accordance with section 11 of DIN EN 13501-1.

4.2 Classification

The following reaction-to-fire performance class is assigned to the product:

500 DEN Polyester (weiss)	B
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The additional classification regarding smoke production is:

500 DEN Polyester (weiss)	s1
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The additional classification regarding burning droplets/falling burning particles is:

500 DEN Polyester (weiss)	d0
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The classification format for the reaction to fire is:

Product	Fire behaviour	Smoke production	Flaming droplets
500 DEN Polyester (weiss)	B	s1	d0

The classification for the product in accordance with table 1 in DIN EN 13501-1 : 2010 is:

Reaction-to-fire classification: B-s1,d0
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4.3 Field of application and product parameters for the product „500 DEN Polyester (weiss)“

The classification in section 4.2 only applies to the product specified in section 2 and is valid for the following filed applications and product parameters:

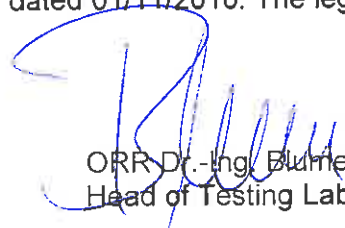
- Field of application: Product use for tent walls and textile enclosures
- Product parameters:

Product	Product parameter	The classification applies to
Fabric	Fabric fibre	Polyester
	Thickness	0,25 mm ± 0,02 mm
	Weight per unit area	180 g/m ² ± 10 g/mm ²
	Color	White
	Yarn count	500 den (500 g per 9000 m yarn length)
Coating	Matrix	Polyurethan
	Application quantity	≤ 50 g/m ²
	Color	White
Distance to plain products	-	≥ 40 mm

5 Special notes

5.1 This Classification Report is not a type approval or product certification document

This document is the translated version of Classification Report No. K-3720/543/09-MPA BS dated 01/11/2010. The legally binding text is the aforementioned German Classification Report.


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