

Classification of reaction to fire in accordance with DIN EN 13501-1

- Translation -

No. of Classification Report:

K-3542/727/12-MPA BS

Client:

PONGS Technical Textiles GmbH
Bahnhofstraße 21
07919 Mühltröf

Classification item:

Stretched ceiling in accordance with DIN EN 14716
Product name: „DESCOR® Premium“

Basis for classification:

DIN EN 13501-1 : 2010

**Number of the notified testing
laboratory:**

0761-CPD

Issued on:

01/08/2013

Notes:

This document does not constitute a type approval or
product certification.

This Classification Report consists of 5 pages, including the cover sheet, and - annexes.

This Classification Report K-3542/727/12-MPA BS of 01/08/2013 replaced the Classification
Report K-3542/727/12-MPA BS of 21/02/2013.

This Classification Report was issued for the first time on 21/02/2013.



This Classification Report may not be circulated unless as a complete text without any alterations. Excerpts and abridged versions of this document are subject to approval in writing of MPA Braunschweig. Translations of this document that are made without the approval of the Testing House must bear the note "translation of the German original not examined by the Materials Testing Institute" in Braunschweig. The first sheet of this document and the page carrying the signatures bear the official stamp of MPA Braunschweig. Documents that do not carry a signature and the official stamp are invalid. Accreditations are valid for the testing methods specified in the current documents. A list showing fields for which accreditation has been obtained can be made available upon request.

Materialprüfanstalt (MPA)
für das Bauwesen
Beethovenstraße 52
D-38106 Braunschweig

Fon +49 (0)531-391-5400
Fax +49 (0)531-391-5900
info@mpa.tu-bs.de
www.mpa.tu-bs.de

Norddeutsche LB Hannover
106 020 050 bank code 250 500 00
Swift Code: NOLADE 2H
VAT ID No. DE183500654
Tax Reg. No.: 14/201/22859
IBAN: DE5825050000106020050

Notified body (0761-CPD)

MPA Braunschweig has been approved and notified as a
civil engineering supervisory, inspection and certification
body. MPA Braunschweig has been ISO/IEC17025
accredited as a testing and calibration laboratory and
ISO/IEC17020 accredited as an inspection body.

1 Preliminaries

This Classification Report defines the classification that is assigned on the basis of the method specified in DIN EN 13501-1 : 2010 to the „DESCOR® Premium" stretched ceiling manufactured by " PONGS Technical Textiles GmbH"

2 Product details

2.1 Description of the building product

The product is a textile stretched ceiling which is coated on both sides with polyurethane. The fabric is made from 100% polyester (Application rate: approx 42 %**). The fabric is mounted on metal frame.

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

2.2 Field of application

The classification in this Classification Report applies to the classified building product for the following application:

The fabric is mounted on metal frame and is used as a stretched textile ceiling cladding.

3 Test reports and test results for classification

3.1 Test reports

Test laboratory	Client/manufacturer	Test Report	Test method
MPA Braunschweig	PONGS Technical Textiles GmbH	3542/727/12-a of 01/08/2013	EN 13823
MPA Braunschweig	PONGS Technical Textiles GmbH	3542/727/12-b of 01/08/2013	EN ISO 11925-2

3.2 Test results for the produce "DESCOR Premium[®]" stretched ceiling

Test method	Parameter	Number of tests	Test results	
			Continuous parameters (Mean value)	Discrete parameters
EN 13823	FIGRA _{0,2 MJ}	3	12	--
	FIGRA _{0,4 MJ}	3	12	--
	THR _{600s} (MJ)	3	2	--
	LFS < edge	3	Yes	Compliant
	SMOGRA (m ² /s ²)	3	0	-
	TSP _{600s} (m ²)	3	30	-
	Burning droplets/falling burning particles	3	No	Compliant
EN ISO 11925-2 Flames applied to surface (both directions)				
30 s fire exposure	F _s ≤ 150 mm	6	--	Compliant
Burning droplets/falling burning particles	Ignition of filter paper	6	--	Compliant
Flames applied to surface (both directions)				
30 s fire exposure	F _s ≤ 150 mm	6	--	Compliant
Burning droplets/falling burning particles	Ignition of filter paper	6	--	Compliant

4 Classification and field of direct application

4.1 Classification basis

This classification was made in compliance with DIN EN 13501-1: 2010, section 11.

4.2 Classification

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

"DESCOR® Premium" stretched ceiling	B
-------------------------------------	----------

The additional classification for smoke production is:

" DESCOR® Premium®" stretched ceiling	S1
---------------------------------------	-----------

The additional classification for burning droplets/falling burning particles is:

" DESCOR® Premium" stretched ceiling	d0
--------------------------------------	-----------

The classification format for the reaction to fire of building products in accordance with table 1 in DIN EN 13501-1) for the above product is:

Reaction to fire	Smoke production	Burning droplets
B	s1	d0

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

Classification of reaction to fire	B-s1,d0
---	----------------

4.3 Field of application and product parameters

The classification in section 4.2 above only applies to the building product „DESCOR® Premium“ specified in section 2 and is valid for the following final applications and product parameters:

The building product is to be used for textile ceiling and wall cladding.


The classification covers the following product parameters:

Components	Product parameter	Validity range of classification
DESCOR® Premium	Weight per unit area	265 g/m ² ± 10 g/m ²
	Thickness	0,35 ± 0,01 mm
Textile fabric	Type	Polyester
	Weight per unit area	150 g/m ² ± 10 g/m ²
	Colour	White
Finish	Type	Polyurethane
	Application rate	55 g/m ² ± 3 g/m ² (per surface)
Substrate	Reaction-to-fire class	Mineral building materials of reaction-to-fire classes A1 and A2-s1,d0
	Spacing from the substrate	≥ 80 mm

5 Notes

- 5.1 This Classification Report is not intended to be used for type approval or product certification, and it does not replace the approval that may be required under the German building law (State Government Building Regulations).
- 5.2 When other textile fabrics are used, or other weight per unit area, and when the fabric is printed on, its reaction to fire may be adversely affected so that the classification in section 4.2 no longer applies. The reaction to fire in case of other finishes or when the fabric is printed on must be separately demonstrated in accordance to DIN EN 13501-1.

This document is the translated version of Classification Report K-3425/626/13-MPA BS dated 01/08/2013. The legally binding text is the aforementioned German Classification Report.


Dr. Ing. G. Blume
Head of Testing Laboratory




i.A. N. Stachowski B.Sc.
Engineer/official in charge