

# CONTRADO

## WALLPAPER FABRIC FIRE CERTIFICATION

**ID:3962 Self-Adhesive Wallpaper 350gsm - page 1 of 1**

### FIRE PERFORMANCE

ASTM E 84 - Standard Test Method for Surface Burning Characteristics  
Reference: Comparable to UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials

<b>RESULTS</b>	Flame Spread Index: 20 / Smoke Developed: 35		
<b>RATING</b>	Class I or A rating		
<b>DATA SUMMARY</b>	Time to Ignition: 00.13 minutes	Max Flame Spread "Distance": 03.94 feet	Max Flame Spread "Time": 00.68 minutes

<b>CODE CLASSIFICATION SYSTEM</b>	<b>CLASS I OR A</b>	<b>CLASS II OR B</b>	<b>CLASS III OR C</b>
Flame Spread Index	0 - 25	26 - 75	76 - 200
Smoke Developed	450 or less	450 or less	450 or less

### BUILDING CODE CITATION FOR THE CLASSIFICATION SCHEME

- (1) 2009 edition, NFPA 101 Life Safety Code, para. 10.2.3.4
- (2) 2009 edition, NFPA 5000 Building Construction & Safety Code, para. 10.3.2
- (3) 2012 edition, International Building Code, para. 803.1.1

# CONTRADO

## WALLPAPER FABRIC FIRE CERTIFICATION

**ID:3354 Premium Wallpaper 173gsm Spray the wall - Page 1 of 3**

### FIRE PERFORMANCE

This classification defines the classification assigned to MA8009SU150 in accordance with the procedure given in NF EN 13501-1:2007 + A1:2009

#### 2.1 GENERAL:

The product MA8009SU150 is defined as a decorative covering intended to be glued on walls and ceiling by means of glue, in accordance with EN 15102 +IN1: 2011.

#### 2.2 DESCRIPTION OF THE PRODUCT:

The product MA8009SU150 is described below or in the test report provided in support of classification listed in 3.1:

Pre-spray glued wall covering, composed of non-woven made from cellulose (45%), terephthalate polyethylene (13%), binder (19%), mineral fillers (17%) and water activated glue (6%).

- Nominal surface density: 150 g/m<sup>2</sup>
- Nominal thickness: 0,28 mm
- Colours : White

#### 3.1 TEST REPORTS:

NF EN ISO 11925: 2013 | NF EN 13823: 2013

Test Method	Parameter	Nb. Test	Continuous parameter mean	Continuous parameter mean
EN ISO 11925-2* Applied on the face & edge Time exposure 30s	FS ≤ 150mm in 60s	6	/	In accordance
Burning droplets or particles	Ignition of paper		/	No
EN 13823**	FIGRA 0.2MJ (w/s) FIGRA 0.4MJ (w/s) THR 600 (MJ) LFS	3	86.7 46.0 0.9 /	/ / / No reached
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> ) TPS 600s (m <sup>2</sup> )		0 29.6	/ /
	LDP f<10s LDP f>10s		/ /	No No

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### ID:3354 Premium Wallpaper 173gsm Spray the wall - Page 2 of 3

\* The substrate is a gypsum plaster board (in compliance with EN520) of density  $700 \pm 100\text{Kg/m}^3$  and thickness  $12,5 \pm 0,5\text{mm}$ , classified A2-s1-d0 according to EN13501-1 :2007 is previously painted with an acrylic aqueous based priming coat such as "IP Chantier Sous-couche Plaque de Plâtre product from CECIL Professionnel brand" ( $90 \pm 30 \text{ g/m}^2$  dry layer). The prepared substrate is afterwards moistened with  $150 \pm 50 \text{ g/m}^2$  of spray water to activate the glue of the wall covering which is applied on the wet surface.

\*\* The substrate is a gypsum plaster board (in compliance with EN520) of density  $700 \pm 100\text{Kg/m}^3$  and thickness  $12,5 \pm 0,5\text{mm}$ , classified A2-s1-d0 according to EN13501-1 :2007 is previously painted with an acrylic aqueous based priming coat such as "IP Chantier Sous-couche Plaque de Plâtre product from CECIL Professionnel brand" ( $90 \pm 30 \text{ g/m}^2$  dry layer). The prepared substrate is afterwards moistened with  $150 \pm 50 \text{ g/m}^2$  of spray water to activate the glue of the wall covering which is applied on the wet surface.

A border to border vertical seal is located on the large wing at 200mm from the corner of the sample. Tests were carried out without air gap between substrate and backing board with cavity closed.

#### 4.1 REFERENCE OF CLASSIFICATION:

This classification has been carried out in accordance with EN 13501-1:2007 + A1: 2009.

#### 4.2 CLASSIFICATION:

- The product MA8009SU150 in relation to fire behaviour is classified: **B**
- The additional classification in relation to smoke product is: **s 1**
- The additional classification in relation to flaming droplets / particles is: **d 0**
- The format of the reaction to fire classification for construction products excluding flooring and linear pipe thermal insulation product is:

Fire Behaviour	Smoke Production		Flaming Droplets	
B	s	1	d	0

CLASSEMENT DE REACTION AU FEU : B – s1– d0

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## WALLPAPER FABRIC FIRE CERTIFICATION

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**ID:3354 Premium Wallpaper 173gsm Spray the wall - Page 3 of 3**

### 4.3 FIELD OF APPLICATION:

This classification is valid for the following product parameters:

Composition: Pre-spray glued wall covering, composed of non-woven made from cellulose (45%), terephthalate polyethylene (13%), binder (19%), mineral fillers (17%) and water activated glue (6%).

- Nominal surface density: 150 g/m<sup>2</sup>
- Nominal thickness: 0,28 mm
- Colours: White

This classification is valid for the following end used applications:

Decorative covering glued on walls or roofs, applying the covering on a wet substrate type gypsum plasterboards classified A2 with characteristics 525 kg/m<sup>3</sup> and 12± 0.5 mm thickness or all substrate classified A1 or A2 in end used, substrate being painted previously with an acrylic priming coat "IP Chantier Sous-couche Plaque de Plâtre product from CECIL Professionnel brand".

### 5.1 LIMITATION:

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

The classification assigned to the 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 products design requires no specific processes, procedure 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 consequence the manufacturer has conclude 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.

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## WALLPAPER FABRIC FIRE CERTIFICATION

**ID: 3353 Standard Wallpaper 120gsm Paste the paper- Page 1 of 2**

### Report of the classification of the reaction to fire behaviour

#### 1 Description of the building product

Thickness: 160µm to 285µm

Weight per unit area: 9 g/m<sup>2</sup> to 154 g/m<sup>2</sup>

Colour: white

The non-woven wallpaper consists of cellulose, synthetic fibre and acrylate binder.

#### 2 Test reports and test results which form the basis of the classification

##### 2.1 Test reports

Name of the laboratory	Number of the test report	Test method
MPA NRW	230009713-1 of 04.11.2014 and 230010466-1 of 12.04.2016	<b>DIN EN 13823</b>
MPA NRW	230009713-2 of 04.11.2014 and 230010466-2 of 12.04.2016	<b>DIN EN ISO 11925-2</b>

Test method	Number of tests	Parameter	Test results
<b>DIN EN 13823</b>	4	FIGRA <sub>0,2MJ</sub> (Wis) FIGRA <sub>0,4MJ</sub> (Wis) THR <sub>soo</sub> (MJ) LFS	120 75 1.3 < edge
		SMOGR <sub>A</sub> (m <sup>2</sup> /s <sup>2</sup> ) TSP <sub>soo</sub> (m <sup>2</sup> )	1 47
		Duration of production of flaming droplets/particles (s)	0
<b>DIN EN ISO 11925-2 Flame impingement: 30 s</b>	24	F <sub>s</sub> (mm) Flaming droplets / particles	≤150 no

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## WALLPAPER FABRIC FIRE CERTIFICATION

**ID: 3353 Standard Wallpaper 120gsm Paste the paper- Page 2 of 2**

### Report of the classification of the reaction to fire behaviour

#### 3 Classification and direct field of application

##### 3.1 Reference

The classification was carried out in accordance with clauses 11 and 14.1 of the standard DIN EN 13501-1:2010.

##### 3.2 Classification

The classification assigned to the material with regard to its reaction to fire is: **B**

The additional classification with regard to smoke production is: **s1**

The additional classification with regard to flaming droplets / particles is: **d0**

This results in the following reaction to fire classification of the material:

Reaction to fire	Smoke Production	Flaming droplets/particles
<b>B</b>	<b>s1</b>	<b>d0</b>

i.e. **B-s1,d0**

##### 3.3 Field of application of the product

The classification is solely valid for the building product described in clause 1, glued practice-oriented with a starch-based paste onto gypsum plasterboards according to DIN EN 13238 (table 1) or onto substrates classified as class A1 or A2 according to DIN EN 13501-1. They must have a minimum density of 525 kg/m<sup>3</sup> and a minimum thickness of 12 mm.