

# ALLYOURBANDNEEDS

# FLAMEPROOF CERTIFICATE STAGETEXREVOLUTION-GREEN



hereby we confirm that the material sold under the product name/label: **StageTexRevolution-Green** is manufactured and/or sold as item: **4435-26-RECY BE.TEX®GREEN REVOLUTION FR** by the Supplier **A. Berger GmbH**, and was certified as flame retardant according to the attached fire certification / flame-proof (EN 13501-1)

# **Sellers Company Name:**

ALLYOURBANDNEEDS Hubertus Hesse Eupener Str. 159 / E2 50933 Cologe, Germany

# **Suppliers / Manufacturers Company Name:**

A. Berger GmbH Weyerhofstrasse 68 D-47803 Krefeld

Cologne, 11.01.2019

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No.: XMIN191002497CCM

Date: Nov.01, 2019

Page: 1 of 6

A. BERGER GMBH **CUSTOMER NAME:** 

ADDRESS: WEYERHOFSTRAßE 68/E49, 47803 KREFELD, GERMANY

4435-26-RECY BE.TEX®GREEN REVOLUTION FR Sample Name

: 180g/m<sup>2</sup> **Product Specification** 

Manufacturer : A. BERGER GMBH A. BERGER GMBH Buyer Material and Mark 100%Polyester with FR

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*\*

**Test Required** : Selected test(s) as requested by applicant

SGS Ref. No. SDFS1910006765FF

Date of Receipt Oct.18, 2019 **Testing Start Date** : Oct.18, 2019 **Testing End Date** Oct.30, 2019

**Test Result Summary** 

Test(s) Requested	Result(s)
EN 13501-1:2018 Fire classification of construction products and building elements-Part 1: Classification using data from reaction to fire tests	Classification: B-s1, d0

#### **Summary:**

1. For further details, please refer to the following page(s).

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\*\*\*\*\*\* To be continued\*\*\*\*\*\*

Signed for

SGS-CSTC Standards Technical Services Co., Ltd Xiamen Branch

**Testing Center** 

Authorized signatory



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No.: XMIN191002497CCM

Date: Nov.01, 2019

Page: 2 of 6

#### **TESTS AND RESULTS**

# **Test Conducted:**

This test is conducted as per EN 13501-1:2018 Fire classification of construction products and building elements-Part 1: Classification using data from reaction to fire tests. And the test methods as following:

- EN 13823:2010+A1:2014 Reaction to fire tests for building products-Building products excluding floorings exposed to the thermal attack by a single burning item.
- EN ISO 11925-2:2010+AC:2011 Reaction to fire tests-Ignitability of building products subjected to direct impingement of flame-Part 2: Single-flame source test.

## Mounting and fixing (For EN 13823:2010+A1:2014):

Test sample is installed on the substrate by screw (test substrates for calcium silicate board, the density of 900 kg/m<sup>3</sup>).

#### **Test Results:**

Test method	<u>Parameter</u> <u>Number of </u>		<u>Results</u>	
EN 13823:2010+A1:2014	FIGRA <sub>0.2MJ</sub> (W/s)		30.0	
	FIGRA <sub>0.4MJ</sub> (W/s)		30.0	
	THR <sub>600s</sub> (MJ)		0.6	
	SMOGRA (m²/s²)	3	0.8	
	TSP <sub>600s</sub> (m <sup>2</sup> )		6.5	
	LFS < edge of specimen		Yes	
	Flaming particles or droplets		No	
EN ISO 11925- 2:2010+AC:2011 Exposure = 30 s	Fs ≤ 150 mm		Yes	
	Ignition of the filter paper	6	No	

#### Remark:

FIGRA-Fire growth rate index used for classification purposes [W/s] For the classes A2 and B, FIGRA<sub>0.2</sub>MJ For the classes C and D, FIGRA<sub>0.4</sub>MJ LFS-Lateral flame spread [m] THR<sub>600s</sub>-Total heat release within 600 s [MJ] SMOGRA-Smoke growth rate [m<sup>2</sup>/s<sup>2</sup>]

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TSP<sub>600s</sub>-Total smoke production within 600 s [m<sup>2</sup>] \*\*\*\*\*\* To be continued\*\*\*\*\*\*



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No.: XMIN191002497CCM

Date: Nov.01, 2019

Page: 3 of 6

#### Classification and direct field of application:

This classification has been carried out in accordance with EN 13501-1:2018.

#### Classification:

Fire behaviour		Smoke p	roduction		Flaming	droplets
В	_	S	1	,	d	0

#### **Remark:**

The classes with their corresponding fire performance are given in Table 1.

Reaction to fire classification is based on the 7-step scale of A1 to F, where A1 is good and F is bad

### Statement:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

#### Warning:

This classification report does not represent type approval or certification of the product. The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

\*\*\*\*\*\*\* To be continued\*\*\*\*\*\*



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No.: XMIN191002497CCM

Date: Nov.01, 2019

Page: 4 of 6

Table 1 — Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products.

Class Classification criteria Test method(s) Additional classification *∆T*≤30°C, and EN ISO 1182 a *∆m*≤50%, and t<sub>f</sub>=0(i.e. no sustained flaming) Α1 PCS≤2.0MJ/kg <sup>a</sup> and PCS≤2.0MJ/kg bc and PCS≤1.4MJ/m<sup>2 d</sup> and **EN ISO 1716** PCS≤2.0MJ/kg e *∆T*≤50°C, and EN ISO 1182 a or *∆m*≤50%, and t<sub>f</sub>≤20 s and PCS≤3.0MJ/kg a and PCS≤4.0MJ/m<sup>2</sup> b A2 **EN ISO 1716** PCS≤4.0MJ/m<sup>2</sup> d PCS≤3.0MJ/kg e FIGRA≤120W/s and Smoke production f and LFS<edge of specimen and EN 13823 Flaming droplets/particles <sup>9</sup> *THR*<sub>600s</sub>≤7.5MJ FIGRA≤120W/s and EN 13823 LFS<edge of specimen and and Smoke production f and THR600s≤7.5MJ В Flaming droplets/particles <sup>g</sup> EN ISO 11925-2 i Fs≤150mm within 60 s Exposure =30s FIGRA≤250W/s and EN 13823 and LFS<edge of specimen and Smoke production f and С THR600s≤15MJ Flaming droplets/particles <sup>9</sup> EN ISO 11925-2 i Fs≤150mm within 60 s Exposure=30s EN 13823 FIGRA≤750W/s and Smoke production f and D EN ISO 11925-2 i Flaming droplets/particles <sup>9</sup> Fs≤150mm within 60 s Exposure=30s EN ISO 11925-2 i Ε Fs≤150mm within 20 s flaming droplets/particles h Exposure =15s EN ISO 11925-2 i F Fs>150mm within 20 s Exposure =15s

\*\*\*\*\*\*\* To be continued\*\*\*\*\*\*



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No.: XMIN191002497CCM

Date: Nov.01, 2019

Page: 5 of 6

<sup>a</sup> For homogeneous products and substantial components of non-homogeneous products.

<sup>b</sup> For any external non-substantial component of non-homogeneous products.

- ° Alternatively, any external non-substantial component having a PCS ≤ 2,0 MJ/m², provided that the product satisfies the following criteria of EN 13823: FIGRA ≤ 20 W/s, and LFS < edge of specimen, and THR<sub>600s</sub> ≤ 4,0 MJ, and s1, and d0.
- <sup>d</sup> For any internal non-substantial component of non-homogeneous products.
- e For the product as a whole.
- f In the last phase of the development of the test procedure, modifications of the smoke measurement system have been introduced, the effect of which needs further investigation. This may result in a modification of the limit values and/or parameters for the evaluation of the smoke production.
  - $s1 = SMOGRA \le 30m^2/s^2$  and  $TSP_{600s} \le 50m^2$ ;  $s2 = SMOGRA \le 180m^2/s^2$  and  $TSP_{600s} \le 200m^2$ ; s3 = not s1 or s2
- g d0 = No flaming droplets/ particles in EN 13823 within 600 s;
- d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s; d2 = not d0 or d1.

Ignition of the paper in EN ISO 11925-2 results in a d2 classification.

- <sup>h</sup> Pass = no ignition of the paper (no classification);
- Fail = ignition of the paper (d2 classification).
- <sup>i</sup> Under conditions of surface flame attack and, if appropriate to the end–use application of the product, edge flame attack.

Note: The above test was carried out by SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch.

\*\*\*\*\*\*\*\*\* To be continued\*\*\*\*\*\*\*\*\*



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No.: XMIN191002497CCM

Date: Nov.01, 2019

Page: 6 of 6

# SAMPLE INFORMATION AND PICTURES

About 185g/m<sup>2</sup> Mass per unit area:





Before Test (EN 13823) After Test (EN 13823) SGS authenticate the photos on original report only \*\*\*\*\*\* End of report\*\*\*\*\*



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