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Testing. Advising. Assuring.

Classification report

No. 2012-2274-K1-2

issued 28.01.2013

Applicant: Evonik Industries AG
Kirschenallee

D - 64293 Darmstadt

Order: Classification of the burning behaviour according to
DIN EN 13501-1 (2010-01)

Date of order: 06.12.2012

Notification number of the test laboratory

NB 1378

Designation of the classified building product

Material designated as „PLEXIGLAS® GS“

This classification report lays down the classification of the building product mentioned above in accordance to the procedures of DIN EN 13501-1.

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This classification report is a translation of the German version 2012-2274-K1-1 (issued 28.01.2013). In case of doubt the German version is solely valid.

This classification report contains 4 pages.

1. Description of the material

1.1 Details of the customer:

Material designated as „PLEXIGLAS® GS“

1.2 At the specimen preparation by Exova Warringtonfire, Frankfurt determined values:

PLEXIGLAS® in different designs (solid sheets, multi wall- and corrugated sheets), structures, thicknesses and colours.

Thickness: 1,8 mm and thicker

Square weight: in average 2,1 kg/m² and thicker

Before testing the specimens are conditioned according to DIN EN 13238.

The test material was delivered from the customer to the Exova Warringtonfire, Frankfurt.

2. Test reports and test results

2.1 Test reports

Name of test laboratory	Customer	Report to form the basis	Test procedure
Exova Warringtonfire, Frankfurt	Evonik Industries AG	2012-2274-2	DIN EN 13823 (SBI) EN ISO 11925-2 (15s ignition time surface and edge ignition)

2.2 Test results

Material	Test procedure	Test parameter	Test results	
			Numbers of the tests	Requirements of the classification fulfilled
PLEXIGLAS® GS	EN ISO 11925-2 (15s ignition time surface and edge ignition)	FS ≤ 150 mm within 20 s for class E	21	yes

3 Classification and range of application

3.1 Reference

The classification was carried out in accordance to the chapter 11 of DIN EN 13501-1 (2010-01).

3.2 Classification

The tested material is incorporated regarding its behavior in case of fire into the class **E**

The classification of the tested material reads thus:

E

3.3 Area of application

The classification is only valid for the in chapter one described material and raw densities, in free hanging / free standing conditions.

Due to the experiences of the test laboratory colours in between are also covered. The classification is valid for the material thicknesses of 1,8 mm and thicker.

3.4 Remark

At the tested material no burning droplets were observed.

4 Reservation

This classification report does not replace a possible required type admittance or type certification of the product.

This classification report replace the report 2012-2274-K1 issued 28.01.2013 (date of signature), which is invalid from now on.

Frankfurt, the 02.09.2013



A. Garcia
Tester in charge



Dipl.-Ing. T. Zachäus
Laboratory Supervisor