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Testing. Advising. Assuring.

# Classification report

## No. 2012-2260-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® XT“

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 2012-2260\_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® XT“

### 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 3,3 kg/m<sup>2</sup> 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	2012-2260-2	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® XT	EN ISO 11925-2 (15s ignition time surface and edge ignition)	FS ≤ 150 mm within 20 s for class E	42	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 behaviour 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 2012-2260-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