

Report of the classification of the reaction to fire behaviour

No. 230009352-3
issued 24 March 2014

English version

Sponsor : POLYCASA GmbH

Gassnerallee 40
55120 Mainz

Order: Classification of the reaction to fire behaviour
according to DIN EN 13501-1

Date of order: 4 May 2004

Name of the classified building product:

Colourless clear sheets made of extruded acrylic glass „POLYCASA XT“ 1.5 mm

This report gives the classification of the above mentioned building product in accordance with the method specified in DIN EN 13501-1.

Classification report no. 230009352-3 of 24 March 2014

1.1 Details given by the sponsor:

1. Clear sheets of extruded acrylic glass „POLYCASA XT“
 Application: building industry, publicity, partition wall etc.

Thickness: 1.5 mm

Raw material: Polymethylmethacrylate - Copolymerisat

Density of the sheets: approx. 1190 kg/m³

1.2 Values determined by MPA NRW:

Plastic sheets, smooth on both sides

Material 1 „POLYCASA XT“ 1.5 mm
 Thickness: on average 1.45 mm
 Density: on average 1211 kg/m³
 Colour: clear

2 Test reports and test results supporting the classification

2.1 Test reports

Name of the laboratory	Sponsor	Number of the test report	Test method
MPA NRW	POLYCASA GmbH Gassnerallee 40 D - 55120 Mainz	230009352-1	DIN EN ISO 11925 – 2 (15 s flame impingement)

2.2 Test results

2.2.1 „POLYCASA XT“ clear 1.5 mm

Test method	Parameter	Number of tests	Test results	
			Continuous parameter	Compliance parameter
DIN EN ISO 11925-2 15 s flame impingement to the surface	Flame spread ≤150 mm	6	--	yes
	Flaming droplets / particles			no
DIN EN ISO 11925-2 15 s flame impingement to the edge	Flame spread ≤150 mm	6	--	yes
	Flaming droplets / particles			yes

3 Classification and direct field of application

3.1 Reference

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

3.2 Classification

The material assigned to the material with regard to its reaction to fire is: **E**
 The additional classification in relation to flaming droplets / particles is: **d2**
 The additional classification in relation to smoke production is: **--**

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

Reaction to fire	Flaming droplets / particles	Smoke production
E	d2	--

i.e. **E d2**

3.3 Field of application of the product

The classification is only valid for the building product described in clause 1.1 „POLYCASA XT clear“ with a thickness of 1.5 mm and a density of approx. 1190 kg/m³.

4 Restrictions

This classification report does not replace any type approval or certification of the product.

This classification report written in English language is issued additionally to the German classification report with the same report number. In case of doubt the German version is solely valid.

Erwitte, 24 March 2014

Head of the testing body

By proxy

Dipl.-Ing. Kühnen



Dat of issue of this English version: 25 April 2014