Institut für Brandschutztechnik
und Sicherheitsforschung

CLASSIFICATION OF REACTION TO FIRE

In accordance with EN 13501-1:2018

Test specimen: Transparent extruded acrylic glass sheet PERSPEX® XT

SPONSOR	**Polycasa Nischwitz GmbH** Manfred von Ardenne Straße 1 04808 Thallwitz Germany
PREPARED BY	IBS - Institut für Brandschutztechnik und Sicherheitsforschung Gesellschaft m.b.H. Petzoldstraße 45 A-4020 Linz
NOTIFIED BODY NO	1322
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1. Introduction

This classification report defines the classification assigned to the construction product **"Transparent extruded acrylic glass sheet PERSPEX® XT"** in accordance with the procedure given in EN 13501-1:2018

2. Details of the classified product

2.1. General

The construction product **"Transparent extruded acrylic glass sheet PERSPEX® XT"** is designated for the field of applications construction industry, advertising, partitions, etc.

2.2. Product description

The construction product **"Transparent extruded acrylic glass sheet PERSPEX® XT"** is a transparent extruded acrylic glass made for indoor and outdoor applications.

3. Report and results in support of this classification

3.1. Report

Name of Laboratory[1)]	Name of sponsor	Report ref. No.	Test method and date Field of application rules and date
IBS	Polycasa Nieschwitz GmbH	325032703-1	EN ISO 11925-2:2020

[1)] Name/address and notified body number / status of testing laboratory:

- IBS: IBS - Institut für Brandschutztechnik und Sicherheitsforschung Gesellschaft m.b.H., Petzoldstraße 45, A-4020 Linz; Notified body number: 1322

3.2. Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameters mean (m)	Compliance with parameters
EN ISO 11925-2 325032703-1 Application time 15 s **Orienting** Thickness: 20 mm	Edge flame exposure $F_S \leq 150mm$	2	max. 25 mm	compliant $F_s \leq 150mm$
	Burning particles / droplets		no = d0	compliant
	Surface flame exposure $F_S \leq 150mm$	2	-	compliant $F_s \leq 150mm$
	Burning particles / droplets		no = d0	compliant
EN ISO 11925-2 325032703-1 Application time 15 s **Normative** Thickness: 2 mm (Worst Case)	Edge flame exposure $F_S \leq 150mm$	6	max. 40 mm	compliant $F_s \leq 150mm$
	Burning particles / droplets		no = d0	compliant
	Surface flame exposure $F_S \leq 150mm$	6	-	compliant $F_s \leq 150mm$
	Burning particles / droplets		no = d0	compliant

4. Classification and field of application

4.1. Reference of classification

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

4.2. Classification

The product, **"Transparent extruded acrylic glass sheet PERSPEX® XT"**, in relation to its reaction to fire behaviour is classified:

E

The additional classification in relation to smoke production is:

-

The additional classification in relation to flaming droplets / particles is:

-

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
E	**-**	**-**	**-**	**,**	**-**	**-**

i.e.: **E**

Reaction to fire classification: E

4.3. Field of application

This classification is valid for the following product parameters:

- Product composition as tested (see test report chapter 3.1.)
- Valid for product thicknesses: 2 to 20 mm

This classification is valid for the following end use applications:

- For use in construction industry, advertising, partitions, etc.

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

The fire performance with other parameters than those specified above must be tested/ verified separately.

Furthermore, the validity expires due to any restrictive provisions in future product standards.

5. Validity

The specifications for and evaluation of fire tests are subject to continuous development. This may result in changes in related legislation.

For these reasons, it is recommended that the user verifies the factual accuracy of test reports and classification reports that are older than **5 years**.

The test laboratory having issued these reports may, at the owner's request, carry out a review of the associated test methods or the classification basis to ensure compliance with current regulations and - if necessary - re-issue a report.

If there is no continuous verification of the reaction to fire by the manufacturer, this classification report will lose its validity in case of any change in the production process, the production environment, or the raw materials.

In general, the validity shall expire if the customer undertakes improper technical modifications to the construction product which exceed or fall below the composition values underlying this Classification Report (refer to the test reports).

Furthermore, the validity shall also expire following restrictive provisions of forthcoming European product standards.

IBS-Institut für Brandschutztechnik und Sicherheitsforschung Gesellschaft m.b.H.
Akkreditierte Prüf-, Inspektions- und Zertifizierungsstelle

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Ing. Josef STOCKINGER
Authorised signatory