

## **B** Technical Data

### **3** Approvals

**3**

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### Certificates – Fire ratings

## Overview of fire certificates

Fire rating of PLEXIGLAS®.

Grades are divided into 'all' and 'some' grades.

The classification is given in decreasing order of difficulty.

Country Certificate	Class	GS sheets	PLEXIGLAS® XT sheets	Multi-skin sheets
<b>USA</b> UL 94	V-O V-1 V-2 HB	all from 1.6 mm	all from 1.6 mm	some
<b>Germany</b> DIN 4102	B 1 B 2 B 3	GS 215 STRETCHED all	all	all <sup>1)</sup>
<b>U.K.</b> BS 476, Part 6+7  BS 2782, Meth. 508 A	Class 0 Class 1 Class 2 Class 3 Class 4  TP (b)	from 3 mm all  3 mm	some all  3 mm	all
<b>France</b> NF P 92501 + 92505	M1 M2 M3 M4	all	all	all
<b>Italy</b> CSE/RF 2/75A and 3/77	Class 1 Class 2 Class 3 Class 4 Class 5	all	all	all
<b>Netherlands</b> NEN 3883	Class 1 Class 2 Class 3 Class 4	GS 215 STRETCHED  all	all	all

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## 3 Approvals

**Certificates – Fire ratings** (continued)

Country Certificate	Class	PLEXIGLAS®		
		GS sheets	XT sheets	Multi-skin sheets
<b>Austria</b> B 3800	B1 B2	all	all	all
<b>Switzerland</b>	V IV III	GS 215 STRETCHED all	all	all
<b>Oxygen index</b> LOI in % to ISO 4589		17.5	17.5	
<b>Ignition temperature</b> °C to DIN 51794		425	430	430
<b>Glow-bar test</b> VDE 0304	BH 1 BH 2 BH 3	(GS 1781) all	all	all

<sup>1)</sup> All PLEXIGLAS® SP multi-skin sheets with edge protection are in Class B2

## 3 Approvals

**Certificates – Transport systems**

## Existing approvals for PLEXIGLAS® in the market segment transport systems

Approval or regulation	Title/institute	Explanations	Material	Valid until
ABG	Allgemeine Bauartgenehmigung Kraftfahrt-Bundesamt	for motor vehicles in Germany (recognized in: Hungary, Turkey, Czech Republic)		
ABG No. 2326		for use in Classes E and F: e.g. – trailers – caravans – camping cars – construction site vehicles – forklift trucks – motorcycle windscreens – etc.	PLEXIGLAS RESIST® 75 Clear 03921 3...8 mm	until revoked
DOT	AMECA Notice of equipment compliance	for motor vehicles in USA and Canada (recognized in: Italy, Spain, Austria, Greece)		
DOT-112, AS-6, M-33 to M-103		Only for use in Item AS-6: – trailers – mobile homes – caravans – special passenger cars – rear windows of convertibles – motorcycle windscreens – etc.	PLEXIGLAS® XT 20070 3...10 mm	until revoked
DOT-112, AS-6, M-34 to M-84			PLEXIGLAS® XT RESIST 31 3...8 mm	until revoked

## 3 Approvals

**Certificates – Food Contact****Existing approvals for PLEXIGLAS®  
for use in food-contact applications**

Approval or regulation	Title/institute	Explanations	Material	Valid until
European Directive 90/128/EEC of 23.03.90	NATEC	transposed into German law by German Consumer Articles Ordinance	PLEXIGLAS® XT 20070 PLEXIGLAS® XT 29070 PLEXIGLAS RESIST® Clear PLEXIGLAS SATINICE® 0D010 DF* PLEXIGLAS® GS 238*	until revoked
FDA Regulation 21 CFR § 177.1010	NATEC	USA	PLEXIGLAS® XT 20070* PLEXIGLAS® XT 29070* PLEXIGLAS RESIST® Clear PLEXIGLAS SATINICE® 0D010 DF* PLEXIGLAS® GS 238*	until revoked

\*) The composition of the products complies with the appropriate regulation; approval outstanding.

## 3 Approvals

**Certificates – Various documents**

In addition to the documents already mentioned, we have a series of others for the various items of our range, such as test reports, e. g. for

- **ball-impact resistance**  
(for sports hall glazing)
- **puck resistance**  
(ice hockey)
- **pendulum impact test**  
(e.g. for balcony guards and balustrades)
- **anti-bandit glazing**,  
etc., as well as
- **building inspectorate approval**  
for PLEXIGLAS® GS 215  
STRETCHED for its fire rating class  
DIN 4102-B1

To make it easier for you to obtain approval for use of PLEXIGLAS®, we shall be pleased to provide you with copies of such documents. Just tell us which certificate you require or which product you would prefer.

## 3 Approvals

## Certificate to DIN EN ISO 9001 (Quality Management System)



## 3 Approvals

## Certificate to DIN EN ISO 14001 (Environmental Management System)

# Certificate

Gerling Cert Umweltgutachter GmbH certifies herewith that the companies

**Röhm GmbH & Co. KG**

for the Business Units Methacrylates, Speciality Acrylates and Plexiglas  
and

**RohMax Additives GmbH**

for the Development, Production and Sales of Lubricant Additives  
and Synthetic Fluids

at  
Darmstadt, Weiterstadt, Wörth and Worms

has established and maintains an environmental management system.

A certification audit conducted by Gerling Cert has verified that the  
management system is in accordance with the requirements of the standard:

**DIN EN ISO 14001**

(Edition: 1996)

This certificate is valid till  
December 2003

Certificate registration number:  
Z1119/1200

Cologne, 21<sup>st</sup> February 2001

Managing Director and Head of the verifier organisation

*J. Gans*  
Dipl.-Ing. Gans

Gerling Cert Umweltgutachter GmbH  
D-50597 Köln

**Deutscher  
Akkreditierungs  
Rat**  
Registriernummer  
TGA-ZM-25-97-60

**GERLING**