

degussa.

creating essentials

Guarantee Statement

30 Year
Guarantee
PLEXIGLAS®
NO YELLOWING!

We guarantee that solid sheets, multi-skin sheets, corrugated sheets, blocks, tubes and rods marketed under the PLEXIGLAS® trademark will show no yellowing and will retain their maximum light transmission for 30 years.

We guarantee that PLEXIGLAS® sheets will show no visible yellowing for 30 years.

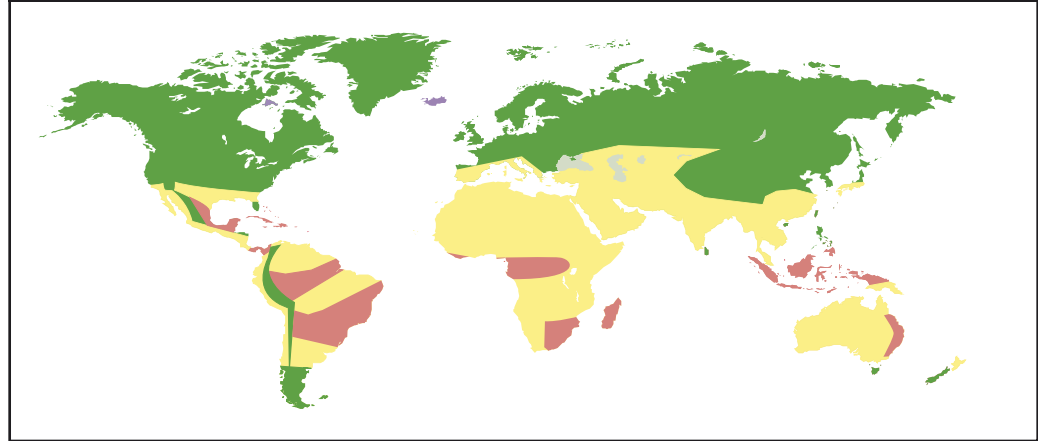
No Yellowing

Many plastics yellow visibly in the course of time.

PLEXIGLAS® does not. Even after 30 years, the absolute yellowness indices are among the lowest possible for plastics at the present time. PLEXIGLAS® complies with the guaranteed values listed in the table throughout the world.

We give you our guarantee that sunlight will not visibly change the appearance, brilliance and surface of clear-transparent PLEXIGLAS® in the course of 30 years.

Absolute YI Date of Sale	30 Years Later	Climatic Zone
0-1	1-5	temperate
0-1	1-6	hot, dry
0-1	1-8	hot, humid

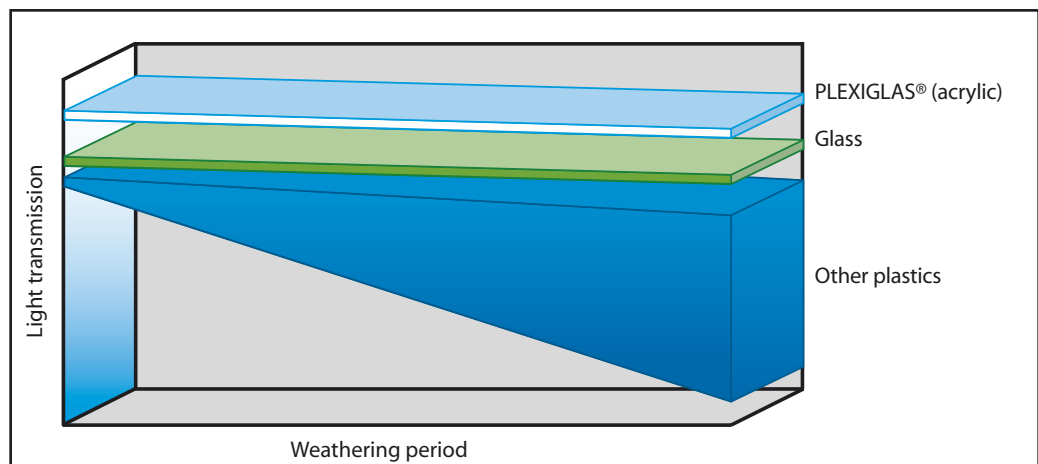


We guarantee that PLEXIGLAS® sheets in Clear grade will retain their high light transmission for 30 years.

More Light

Many plastics lose a considerable portion of their light transmission during use. Sheets may become darker.

PLEXIGLAS® does not. Depending on material grade and region, clear-transparent sheets still retain up to 90% light transmission after 30 years of service life. This is one of the best transmission levels offered by any plastic.

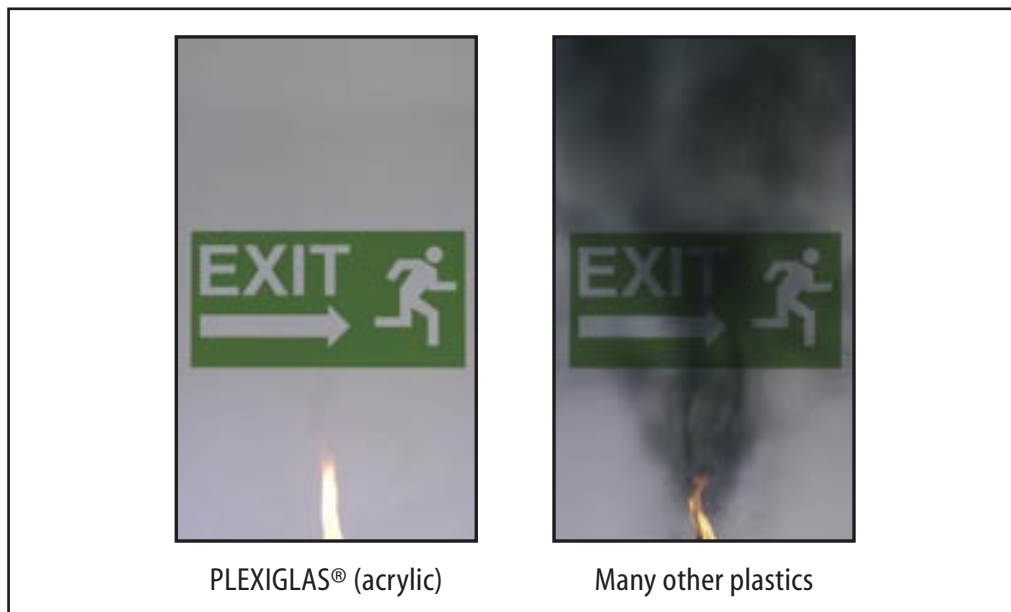


Hardly Any Smoke

Upon combustion, many plastics produce thick smoke and/or toxic gases that may be very dangerous to human health.

PLEXIGLAS® does not. PLEXIGLAS® in Clear grade and in standard colors burns almost without smoke and forms no toxic or corrosive gases.

In the event of fire, PLEXIGLAS® may therefore help to protect people and property.



We guarantee that PLEXIGLAS® will retain its fire behavior even after 30 years of weathering.

Environmental Consciousness

Sustainable development is an integral part of our business processes. Our corporate decisions take into account the interests of present and future generations as well as economic, ecological and social aspects. Based on this sense of corporate responsibility, we develop and manufacture PLEXIGLAS® by means of environmentally sound processes. We take care to ensure that our high-quality products are environmentally friendly and durable.

PLEXIGLAS® is free from

- bisphenol A
- heavy metals such as cadmium and mercury
- asbestos, formaldehyde, CFCs, PCB, PCT

PLEXIGLAS®

- complies with the relevant regulations for use in toys and packaging
- is manufactured by environmentally sound processes at certified facilities (quality standard DIN EN ISO 9001, environmental certificate DIN EN ISO 14001)

For information on further guarantees

related to hail resistance, rigidity, strength etc., go to www.plexiglas.net

Sustainability and responsibility for our products and their use are among our basic principles.



IMPORTANT: This Guarantee Statement is a legally non-binding convenience translation of the original German language „Garantieerklärung“ available under www.plexiglas.de or plexiglas-info.de. Any rights or claims alleged to be available under or in relation to this Guarantee Statement shall exclusively be governed by the German language „Garantieerklärung“

PLEXIGLAS® does not yellow visibly

Colourless, transparent PLEXIGLAS® has a yellowing value of 0 -1 when new. Depending on product type and design, the yellowing value is only 4-7 delta higher after 30 years. The yellowing value is measured as per DIN 5036 on cleaned and polished specimen conditioned in a standardized climate at 23°C / 50% rel. hum. until equilibrium is reached.

PLEXIGLAS® retains high level of transparency

Colourless PLEXIGLAS® has a light transmission when new of up to 92% depending on product type and design. Depending on product type and design, light transmission is only 2-8% lower after 30 years. The transmission factor τ_{D65} is measured as per DIN 5036 on cleaned and polished specimen conditioned in a standardized climate at 23°C / 50% rel. hum. until equilibrium is reached.

PLEXIGLAS® retains its combustion behaviour

Colourless PLEXIGLAS® burns nearly smoke-free and produces no acutely toxic flue gases. All product types and designs do not change their combustion behaviour within a 30-year period. Light absorption by smoke is measured acc. to DIN 4101-1 Annex B. PLEXIGLAS® burns nearly smoke-free, i.e. light absorption by the smoke is < 15%. The acute toxicity of flue gases is measured as per DIN 53436. PLEXIGLAS® is considered harmless in this respect.

Terms & Conditions, Exclusions

All guarantee values shall be determined using cleaned specimen. In case of complex profiles, the measured values shall be determined on flat and plane-parallel specimen, since otherwise the material values cannot be determined with sufficient accuracy. Textured semi-finished goods – only on the more roughly textured side if both sides are textured - must be measured with the textured side facing the light source, at the original thicknesses. The products must have been stored, transported, processed, installed and used in accordance with the requirements of the subject materials. They must not have been thermally moulded or exposed to detrimental effects of harmful chemicals. For information on proper use, care and deployment of our products go to www.plexiglas.net on the internet and see the relevant print publications.

Duration of Guarantee

This Guarantee begins with the day of delivery to the end-user and expires upon deinstallation of the first application, intentional or wilful destruction, or 30 years after the date of purchase, whatever occurs earlier. Any Guarantee claims shall exclusively be determined and governed by the version of this Guarantee Statement valid on the date of purchase of the material in question. The applicable version(s) in each case are found at www.plexiglas.net or at plexiglas-info.com.

In case of a guarantee claim

Any rights or claims raised hereunder shall be subject to the following,

- The user must present us a bill from the seller showing the name and address of the user, date of purchase, full product type/name and the product quantity so purchased.
- The guarantee claim must be submitted to us, during the term of this Guarantee, in writing within 30 days.
- We ourselves must without delay be permitted to inspect the defect and its potential causes on site, or to have another party do so on our behalf.

Claims exclusively available hereunder

In case all terms and other conditions hereof are fulfilled such that the user has a valid claim hereunder we will replace the defective PLEXIGLAS® product ex works. If equivalent replacement material is no longer manufactured by us or can no longer be supplied, the user will receive a refund of the original purchase price. No other or further rights or claims of any kind shall be available hereunder.

Consumer Rights, applicable Law & Jurisdiction

This Guarantee does not affect or restrict any rights or claims specifically available to consumers under applicable law. This Guarantee shall exclusively be governed by and construed under the laws of Germany, as applicable on the date of purchase of the goods in question, without giving effect to conflict of laws principles. The exclusive place of jurisdiction for any rights or claims from this Guarantee shall be Darmstadt, Germany.

PLEXIGLAS

is a registered trademark of Röhme GmbH, Darmstadt, Germany.

® = registered trademark

Röhme GmbH

Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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www.plexiglas.net

This guarantee remains in force until replaced by an updated version. You can find the currently valid version of the guarantee at www.plexiglas.net or www.plexiglas-info.com

