

**We guarantee**

## **PLEXIGLAS SOUNDSTOP®**

**solid sheets**

**for 10 years**

**on loadbearing capacity, strength, light transmission  
and sliver retention**

### **Product Definition**

PLEXIGLAS SOUNDSTOP® are solid sheets made from acrylic (polymethyl methacrylate, PMMA), consisting of

- PLEXIGLAS SOUNDSTOP® GS (cast sheets),
- PLEXIGLAS SOUNDSTOP® GS CC (cast sheets with incorporated sliver-retaining polyamide threads),
- PLEXIGLAS SOUNDSTOP® XT (extruded sheets)

in clear and transparent colored grades.

### **Guarantee Statements**

#### **1. PLEXIGLAS SOUNDSTOP® retains its loadbearing capacity.**

The loadbearing capacity of the sheets is determined by the modulus of elasticity  $E_t$ .

The value upon delivery is  $\geq 3,100$  MPa and  $\geq 2,800$  MPa after 10 years.

The modulus of elasticity is measured in the tensile test according to ISO 527-2/1B/1 at 23 °C, as the average value established for 5 specimens with parallel faces which have been conditioned to the equilibrium state in the standard climate of 23 °C / 50 % RH.

#### **2. PLEXIGLAS SOUNDSTOP® retains its strength.**

This is proved by the tensile strength  $\sigma_M$ .

The value upon delivery is  $\geq 65$  MPa and  $\geq 60$  MPa after 10 years.

The tensile strength is measured in the tensile test according to ISO 527-2/1B/5 at 23 °C, as the average value established for 5 specimens with parallel faces, which have been conditioned to the equilibrium state in the standard climate of 23 °C / 50 % RH.

#### **3. PLEXIGLAS SOUNDSTOP® retains its light transmission.**

This is proved by measurement of the transmittance  $\tau_{D65}$ .

The value upon delivery for clear material is  $\geq 90$  % and  $\geq 88$  % after 10 years.

The transmittance is measured on clean, unscratched specimens according to DIN 5036.

#### **4. PLEXIGLAS SOUNDSTOP® GS CC retains its sliver retention.**

We guarantee that PLEXIGLAS SOUNDSTOP® GS CC will keep its sliver-binding effect for a period of 10 years.

PLEXIGLAS  
SOUNDSTOP®  
GS  
CC

## Conditions of guarantee

The sheets

- have to be stored, transported, fabricated and installed (or used) in a manner that suits to the material;
- must not be (adversely) affected by connecting, fastening and sealing elements;
- and must be protected against adverse chemical influences.

This guarantee applies throughout Europe.

For guarantee questions concerning applications outside Europe, please contact us.

## Applicability

A complaint under this guarantee will be considered

- a) if caused within the guarantee period despite demonstrable observance of the conditions of guarantee;
- b) if made without delay during the guarantee period and
- c) if an invoice issued by the salesperson is presented, showing the name and address of the buyer, the purchase date, complete product description and number of sheets purchased.

**If the complaint is justified, we will replace the material free of charge ex works.**

If suitable replacement material cannot be supplied, the customer will be refunded with the original purchase price. Further claims are excluded.

## Guarantee period

This guarantee commences with the date of delivery to the user and ends ten years later.

### Delivery and Technical Advice by:

#### Para-Chemie GmbH

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Innovative Plexi-Products

The logo for Röhm, consisting of the word "röhm" in a stylized, lowercase, blue font.

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

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