

We guarantee

PLEXIGLAS HEATSTOP® SP NO DROP multi-skin sheets

**for 10 years
on light transmission, energy transmission,
rigidity and strength.**

Product Definition

PLEXIGLAS HEATSTOP® SP are multi-skin sheets made from acrylic (polymethyl methacrylate, PMMA) with an infrared reflecting layer on one side. The sheets are translucent and highly light-diffusing. Owing to their selective reflection, they have a reddish-purple shimmer in incident light. Viewed from below, the sheets give the impression of being pleasantly cool, as befits their function.

The color has an iridescent effect. The color impression may vary, depending on viewing angle and lighting conditions.

The guarantee applies to PLEXIGLAS HEATSTOP® S4P 32 NO DROP quadruple-skin sheet
in grade

White WA013 NO DROP.

Guarantee Statements

1. PLEXIGLAS HEATSTOP® SP sheets retain their light transmission.

This means that the sheets will have a transmittance τ_{D65} after 10 years which is no more than 8 per cent lower than at the time of delivery.

The transmittance τ_{D65} is measured on clean, unscratched specimens according to DIN 5036 (see note) standard climate of 23 °C / 50 % RH.

2. PLEXIGLAS HEATSTOP® SP sheets retain their energy transmission.

This means that the sheets will have an energy transmission g after 10 years which is no more than 2 per cent higher than at the time of delivery.

The energy transmittance g is measured on clean, unscratched specimens according to DIN 67507 / EN 410 (see note).

3. PLEXIGLAS HEATSTOP® SP sheets retain their rigidity.

This means that the sheets will have a modulus of elasticity of $E_t \geq 1800$ MPa after 10 years.

The modulus of elasticity E_t 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 (see note).

4. PLEXIGLAS HEATSTOP® SP sheets retain their strength.

This means that the sheets show a tensile strength of $\sigma_M \geq 35$ MPa after 10 years.

The tensile strength σ_M is measured in the tensile test according to ISO 527-2/1B/50, 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 (see note).

Note

For reasons of testing technique it is impossible to establish characteristic material values on complicated profiles like multi-skin sheets with sufficient accuracy. Therefore, specimens with parallel faces are cut from the outer skin (HEATSTOP side) in the direction of the webs to measure the transmittance, modulus of elasticity and tensile strength and to establish the energy transmittance.

Conditions of guarantee

The sheets

- have to be stored, transported, fabricated and installed (or used) in a manner that suits the material;
- must not be thermoformed;
- 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.

® = registered trademark

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PLEXIGLAS HEATSTOP
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Röhm GmbH & Co. KG,
Darmstadt, Germany.



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

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