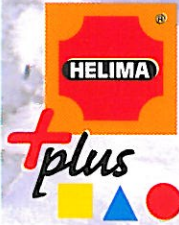
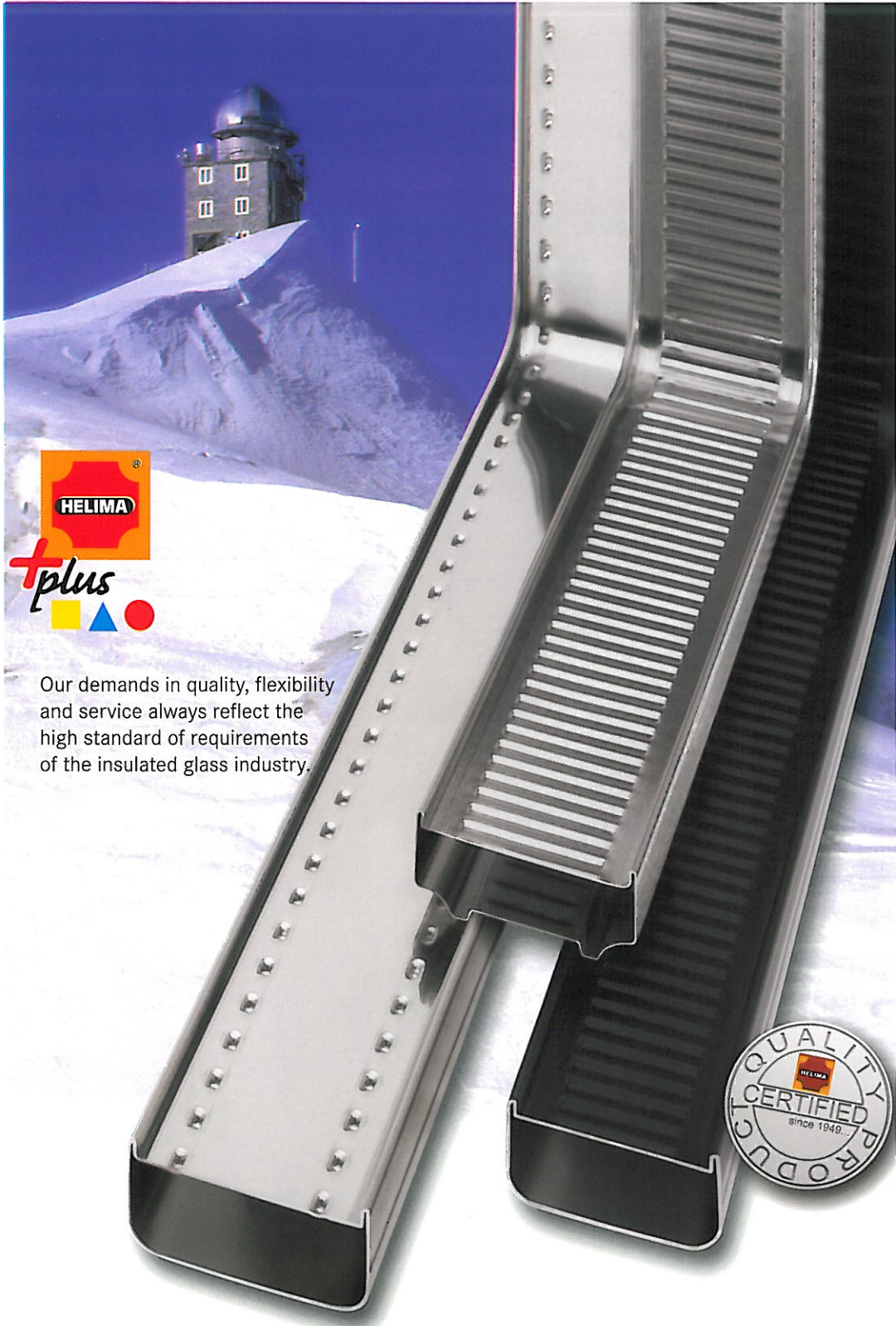


HELIMA

THE LASER WELDED SPACER OUT OF STAINLESS STEEL

NIROTEC



Our demands in quality, flexibility and service always reflect the high standard of requirements of the insulated glass industry.



Lingemann-Gruppe

HELIMA

QUALITY • FLEXIBILITY • SERVICE

NIROTEC SPACER

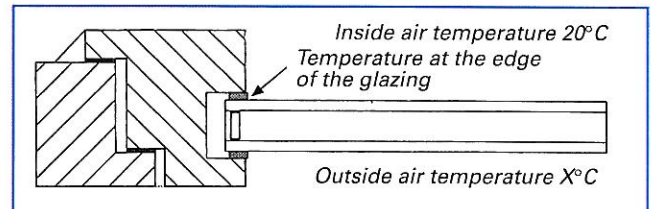
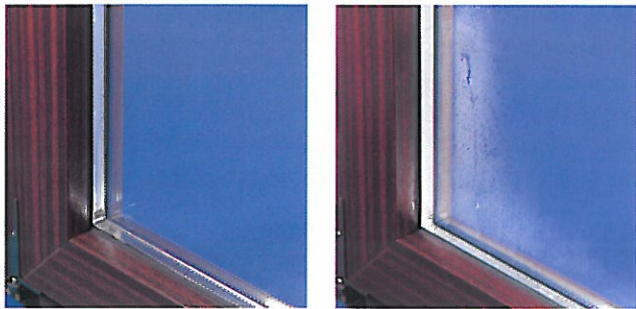
The product section NIROTEC is in accordance with the most up-to-date window technology, as a logical answer to the subject „warm edge“ !

The actual basis lines are AHS 020, AHSZ 017, AHSZ 015, adapted to the specific market demands.

This program covers the complete scale of marketable sizes,

NIROTEC is finished in a special welding process that allows a butt seam - another advantage in view of the processing, as well as closest tolerances.

- lower heat conductivity reduces the loss of energy in the edge area.
- raises the temperature in the pane-frame-combine about up to 8 degrees C.
- because of this the condensation in the edge area is much lower.



Critical outside temperature of 9,5°C at the glass rim – with a inside temperature of 20°C and 50% humidity.

U _g [W/m ² K]	Metal frame (U _f =1,6 W/m ² K)		Plastic frame (U _f =1,2 W/m ² K)	
	Al-Standard [°C]	NIROTEC [°C]	Al-Standard [°C]	NIROTEC [°C]
1,1 (2fach)	-2,8	-7,3	-3,9	-7,5
0,7 (3fach)	-7,1	-14,1	-6,8	-11,9
0,5 (3fach)	-7,6	-15,7	-7,5	-12,9

• 2-stage frame-combine-system – proven for decades now, UV-stable edge-combine with gas filling and silicone sealing feasible,

• acute-angled, right-angled, or arch - it doesn't matter: NIROTEC can be processed on all benders with high productivity. The first-rate stability of the NIROTEC spacers is of high benefit for the processing.

• Molecular sieve can be used with postfill or prefill set-up by a special perforation design.

• Special-adjusted connectors guarantee a powerful, strong and very secure joining.

• Of course NIROTEC can also be delivered in color coated version. No fogging due to the unique HELIMA-coil-coating process.



NIROTEC

Abstandhalter

Helima...
specialized profiles

Lingemann-Gruppe
HELIMA
Profilierte Lösungen

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