
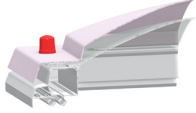
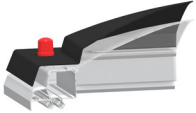
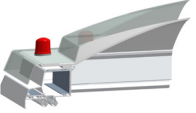
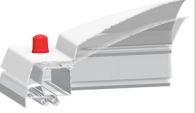
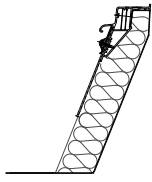
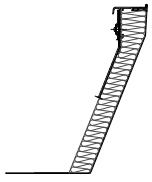
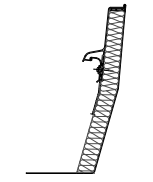
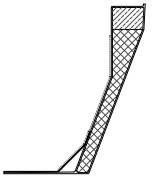
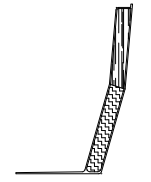
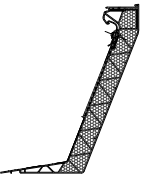


Dome rooflights

Top 90, 2-skins

Dome rooflight – top		Standard	Heatstop	Black Top	Super Top	Hailstop
Dome rooflight:						
Glazing material:		PMMA outer skin + PMMA inner skin (high quality, UV-resistant plastic)	Reflective PMMA outer skin (to reduce heat gain). + PMMA inner skin (high quality, UV-resistant plastic)	Black coloured PMMA outer skin (to avoid light penetration) + PMMA inner skin (high quality, UV-resistant plastic)	PC outer skin + PMMA inner skin (high impact polycarbonate + high quality, UV-resistant plastic)	PC outer skin + PC inner skin (high impact resistant polycarbonate)
Glazing:		opal / clear	Heatstop / clear	black / clear	clear / opal	opal / clear
Resistance to upward loads. Wind load performance (Upwards Load - UL): according to DIN EN 1873 (Reference data for order size 120 x 120 cm)		1000	1000	1000	1000	1000
Resistance to downward loads. Snow load performance (Downwards Load - DL): according to DIN EN 1873 (Reference data for order size 120 x 120 cm)		1500	1500	1500	1500	1500
U-Value U_t W/(m ² K): according to EN 1873:2014 (specification independent of size)		3,0	3,0	3,0	3,0	3,0
Sound insulation value [dB]: according to EN 1873		20	20	20	20	20
Photometric values: A) Light transmission: TL [%] (τD65) B) g-value (total solar energy transmittance) EN 1873:2014 *) Data according to manufacturer for Outer shell Note: technical values depend on shell thickness	A	80	52	0 *	NPD	52
	B	75	34	25 *	NPD	52
Meltability: according to. DIN 18230-1 (without specific proof)		✓	✓	✓	✓	✓
Fall-through safety: according to GS-BAU-18 **) only with approved Fall-Through Protection system		✗ **	✗ **	✗ **	✗ **	✗ **
Fall-through safety: according to DIN 18008-5 (unlimited valid for real glass products)		✗	✗	✗	✗	✗
Hail protection according to VKF classification: (according to VKF test regulations no. 10)		✗	✗	✗	✓	✓

Dome rooflight – upstand	Iso Therm EU	Metal TE EU	Metal RAK	GRP EU	GRP RAK	PVC EU
Upstand:						
Material:	1-layer steel upstand with PVC cover-frame for thermal insulation freedom from thermal bridges	1-layer steel upstand with alu cover-frame	1-layer steel upstand with alu cover-frame	2-layer GRP upstand, laminated all round, with reinforced upstand top	2-layer GRP upstand, laminated all round, with reinforced upstand top	2-layer PVC upstand, closed profile with a multi-chamber system at 30 mm profile thickness
Insulation:	60 mm side insulation made of mineral wool (A1) for increased thermal insulation	30 mm side insulation made of mineral wool (A1) for normal thermal insulation	30 mm side insulation made of mineral wool (A1) for normal thermal insulation	30 mm side insulation for normal thermal insulation	30 mm side insulation for normal thermal insulation	30 mm side insulation for normal thermal insulation
Recommended use:	Heated buildings or building areas with increased energy efficiency requirements	Low or normally heated buildings or parts of buildings	Low or normally heated buildings or parts of buildings	Low or normally heated buildings or parts of buildings	Low or normally heated buildings or parts of buildings	Low or normally heated buildings or parts of buildings
Function:	Fixed or vented Dome Rooflights and SHEV-Units	Fixed or vented Dome Rooflights and SHEV-Units	Aerodynamic optimised geometry for SHEV-Units	Fixed or vented Dome Rooflights and SHEV-Units	Fixed or vented Dome Rooflights and SHEV-Units	Aerodynamic optimised geometry for SHEV-Units
U-value U _{up} W/(m ² K): according to EN 1873:2014 (Specification for 30 cm upstand height)	0,77	1,8	1,9	1,4	1,4	1,3

Complete dome rooflight product	Top 90 2-skin + Iso Therm EU	Top 90 2-skin + Metal TE EU	Top 90 2-skin + Metal RAK	Top 90 2-skin + GRP EU	Top 90 2-skin + GRP RAK	Top 90 2-skin + PVC EU
Total U-value U _{rc} W/(m ² K): according to EN 1873:2014 (Reference information for order size 120 x 120 cm for 30 cm upstand height)	1,8	2,3	2,3	2,1	2,1	2,0
Sound insulation value [dB]: according to EN 1873	20	20	20	20	20	20
Reaction to fire: according to EN 1873 Classification according to EN 13501-1	E	E	E	E	E	E