

TOP-90 PLUS

VELUX®
Commercial


A PLUS of heat insulation for appreciable energy conservation

TOP-90 PLUS

- composed of high-quality UV-resistant plastics, double-skinned opal/clear and an internal seven-shelled polycarbonate sheet PC-S7P 16 opal/clear
- alternative version: SUPER-TOP, HAIL-STOP and HEATSTOP

Technical data

- thermal transfer coefficient
 $U\text{-value} = 1.1 \text{ W/m}^2\text{K}$ according to DIN EN 1873:2006¹
 $U_t = 1.2 \text{ W/m}^2\text{K}$ according to DIN EN 1873:2014²
 $U_{r,ref300} = 1.02 \text{ W/m}^2\text{K}$ according to DIN EN 1873:2014³
- airborne sound reduction value: $R_w = 28 \text{ dB}$
- light transmission value: for opal: 38% / clear: 48%
- total energy transmission: for opal: 54% / clear: 56%

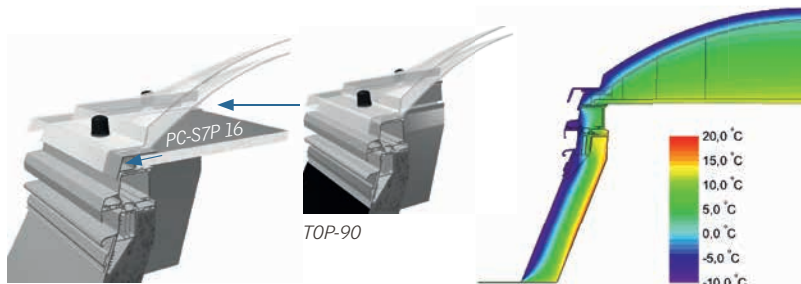
Product advantages

- considerably better than the requirements of the EnEV 2014 (2016)
- improvement of the U_N value:
 by approximate 57% compared with double-skinned versions
 by approximate 22% compared with four-skinned versions
- offers significant energy saving potential
- increased sound reduction
- "fall-through protection" according to GS-BAU-18:2015-02 Certificate with DGUV test certificate (No. Bau 15117/valid for 1 year after manufacture)

1) calculated according to EN ISO 6946

2) U_i according to DIN EN 1873:2014 for horizontal installation

3) $U_{r,ref300}$ = Reference value of the overall thermal transfer coefficient of a dome rooflight of the order size 120 x 120 cm with a upstand of height 300 mm (here ISO-THERM AK upstand) according to DIN EN 1873:2014



TOP-90 with PC-S7P 16 = TOP-90 PLUS

Isothermic performance TOP-90 Plus



TOP-90 PLUS dome rooflight with 24V SHEV device, assembled on upstand

Note: Retrospective upgrade from TOP-90 to TOP-90 PLUS is possible.

1.2.1

Dome rooflight upstands and roof connection systems

1.4.1

Dome rooflight safety concept

1.4.5

LK-DDS

3.4.2

SKYSIGHT

TOP-90 PLUS dome rooflight product range

Order sizes [LCOW] upstand cm x cm	TOP-90 PLUS with standard upstand Model AK	TOP-90 PLUS with upstand Model RAK	Light permeation dimension [UCOW]	24V roof exit on ISO steep upstand [UCOW = LCOW]	Opening angle [approx. in °] Hinge attached	
					Long side	Short side
60 x 60	•	-	40 x 40	-	-	-
60 x 90	•	-	40 x 70	-	-	-
80 x 80	•	-	60 x 60	-	-	-
90 x 90	•	-	70 x 70	-	-	-
90 x 120	•	-	70 x 100	-	-	-
100 x 100	•	•	80 x 80	-	-	-
100 x 150	•	•	80 x 130	-	-	-
100 x 200	•	•	80 x 180	-	-	-
100 x 250	•	•	80 x 230	-	-	-
120 x 120	•	•	100 x 100	•	90°	90°
120 x 150	•	•	100 x 130	•	90°	90°
120 x 170	-	-	100 x 150	•	90°	60°
120 x 180	•	•	100 x 160	•	90°	60°
120 x 240	•	•	100 x 220	-	-	-
120 x 270	•	-	100 x 250	-	-	-
125 x 125	•	•	105 x 105	-	-	-
125 x 250	•	•	105 x 230	-	-	-
140 x 140	-	-	120 x 120	•	90°	90°
150 x 150	•	•	130 x 130	•	90°	90°
150 x 180	•	•	130 x 160	•	90°	60°
150 x 210	•	•	130 x 190	•	90°	60°
150 x 240	•	•	130 x 220	-	-	-
150 x 250	•	•	130 x 230	-	-	-
150 x 270	•	-	130 x 250	-	-	-
180 x 180	•	•	160 x 160	-	-	-
180 x 240	•	•	160 x 220	-	-	-
180 x 250	•	•	160 x 230	-	-	-
180 x 270	•	-	160 x 250	-	-	-
180 x 300	•	-	160 x 280	-	-	-
200 x 200	•	•	180 x 180	-	-	-
200 x 300	•	-	180 x 280	-	-	-

• = available
- = not available