

Dome rooflight safety concept burglary prevention device and fall-through protection

VELUX®
Commercial

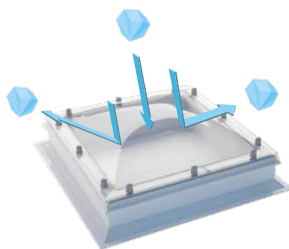

An ingenious package solution against burglary and for greater safety on the roof

Safety level 1

Super Top/Hailstop/Top 90 sound reduction
Dome rooflights/pyramids with outer shell made of high-impact resistant polycarbonate and screw connection securing



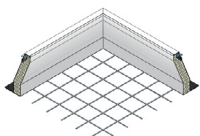
security connection



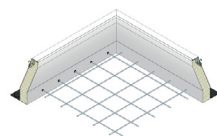
high-impact resistance

Safety level 2

Steel grids installed in the clear opening (see cover picture) or type DSD fall-through protection system installed directly on the trapezoidal sheet



1.1.1
Top 90

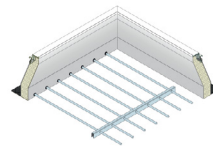


1.1.2
Top 90 PLUS

1.1.3
Top 90 PLUS
sound reduction

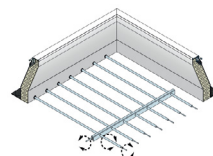
Safety level 3

Steel tubes with large dimensioned cross bar installed in the clear opening



Safety level 4

Roller grate security with reinforced cross bar as burglary resistant securing.



Safety level 5

Level 1 to 4 with additional securing by REED flap contact against unnoticed opening and EM concussion detector for detection of impact load of any character. Starting from safety level 2, Top 90 dome rooflights can be used as an alternative.

1.2.1
Dome rooflight upstands and
roof connection systems

1.4.5
LK-DDS

1.4.6
LK-DDN

Applicable for the upstand types (cm)	Steel grid	Steel pipe / roller grate security	DSD	LK-DDN		LK-DDS ROUND	
	Factory setting	Factory setting	Substructure	Factory setting	Retro-fit kit	Factory setting	Retro-fit kit

Upstand Metal

Upstand Metal Iso Therm EU	30	-	-	•	-	•	-	-
Upstand Metal Iso Therm EU	40/50/60	•	•	•	-	•	-	-
Upstand Metal Iso Therm vertical	30/40/50/60	•	•	•	-	•	-	-
Upstand Metal Iso Therm AS	40/50	•	•	•	-	•	-	-
Upstand Metal TE EU	30	-	-	•	-	•	-	-
Upstand Metal TE EU	40/50	•	•	•	-	•	-	-
Upstand Metal RAK	30	-	-	•	-	•	-	-
Upstand Metal RAK	40/50	•	•	•	-	•	-	-
Upstand Aluminium TRP EU	15/30	-	-	-	•	•	-	-
Upstand Aluminium TRP RAK	30	-	-	-	•	•	-	-
Upstand Aluminium TRP Therm EU	15/30	-	-	-	•	•	-	-
Upstand Aluminium TRP Therm RAK	30	-	-	-	•	•	-	-
Upstand Steel Aluminium composite EU	30	-	-	•	-	-	-	-
Upstand Steel Aluminium composite EU with base flange	30	-	-	-	-	-	-	-
Upstand Steel Aluminium composite RAK with base flange	30	-	-	-	-	•	-	-
Upstand Steel Aluminium composite EU with TRP-side bend	30	-	-	-	-	•	-	-
Upstand Steel Aluminium composite EU with hot flange preparation	40	•	•	•	-	•	-	-
Upstand Steel Aluminium composite RAK	30	-	-	•	-	•	-	-
Upstand Steel Aluminium composite RAK with TRP-side bend	30	-	-	-	-	•	-	-
Upstand Steel Aluminium composite RAK with hot flange preparation	40	•	•	•	-	•	-	-
Upstand Steel Aluminium composite TRP EU	30	-	-	-	-	•	-	-
Upstand Steel Aluminium composite TRP RAK	30	-	-	-	-	•	-	-

Upstand PVC

Upstand PVC EU	15/30/45	-	-	•	-	•	-	-
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Upstand GRP

Upstand GRP EU	15/30/50	-	-	•	-	•	-	-
Upstand GRP RAK	30/45	-	-	•	-	•	-	-
Upstand GRP EU corrugated profile	20/30	-	-	-	-	•	-	-
Upstand GRP RAK corrugated profile	30	-	-	-	-	•	-	-
Upstand GRP TRP RAK	30	-	-	-	-	•	-	-
Upstand GRP EU with TRP-side bend	15/30/50	-	-	-	-	•	-	-
Upstand GRP RAK with TRP-side bend	30	-	-	-	-	•	-	-
Upstand GRP aluminium composite TRP EU	15/30/50	-	-	-	-	•	-	-
Upstand GRP aluminium composite TRP RAK	30	-	-	-	-	•	-	-
Upstand GRP EU with base flange	15/30/50	-	-	-	-	•	-	-
Upstand GRP RAK with base flange	30	-	-	-	-	•	-	-
Upstand GRP EU with hot flange preparation	30/50	-	-	-	-	•	-	-
Upstand GRP RAK with hot flange preparation	30/45	-	-	-	-	•	-	-
Upstand GRP EU circular	15/30/50	-	-	-	-	-	•	•

Refurbishment upstand vertical

PVC extension upstand	15/30	-	-	-	-	•	-	-
Metal refurbishment adapter frame (RAF)	25	•	•	-	-	•	-	-

External upstand EU

External upstand EU		-	-	•	-	•	-	-
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• = available - = not applicable

Note: All fall-through protection products are also suitable for installation in dome rooflights with SHEV function. Technical clarification is required before installation.