



SCA High Roofs

All roof models have been designed by renowned designers. SCA high roofs are characterised by their generously proportioned window installation areas and their attractive design, which combines harmoniously with the base model vehicle. They have excellent drag coefficients, as proven by wind tunnel testing.

The high roofs are available in various designs: there are a number of different variants of each roof type which can be combined together – ranging from a cost-effective simple GRP roof shell to models with integrated plastic roof bows right through to the fully equipped variant with 20mm insulation along with comfortable interior trim made of 9mm thick crumpled velour. The roofs have an excellent fit and surface finish – again demonstrating the many years of experience of C. F. Maier.

Making a cutout in the vehicle roof reduces the sturdiness of the body. For this reason, reinforcements for the roof cutout are essential. Two possible solutions are available:

the first option is to reinforce the roof shell with integrated GRP roof bows. These project by approx. 20mm on the inside of uninsulated roofs. On the version with 20mm polyethylene foam insulation, the inside surface is even. The connection to the vehicle is then made using bow bases, which are riveted to the body. Alternatively, a reinforcing frame can be used for the roof cutout. This option is particularly good when, for example, bed constructions are mounted on to the roof during vehicle conversion.

Manufacturer approval certificates and all of the required part approval certificates from the Technical Inspection Association (TÜV) have been obtained for all roof models.

The standard colour of SCA high roofs is white. However, any special colour can be supplied at extra charge.

High Roofs

Base model vehicle	SCA model	Roof dimensions	Vehicle height	Interior standing room
VW Typ 5 (SWB)	SCA 460	300×150×63 cm	250 cm	192 cm
VW Typ 5 (LWB)	SCA 462	340×150×63 cm	250 cm	192 cm
VW Typ 5 (LWB)	SCA 463	340×150×80 cm	270 cm	212 cm
Sprinter/Crafter (SWB)	SCA 470	358×163×70 cm	295 cm	230 cm
Sprinter/Crafter (MWB)	SCA 472	423×163×72 cm	300 cm	240 cm
Sprinter/Crafter (LWB)	SCA 474	523×147×52 cm	310 cm	245 cm
Fiat Ducato/ Peugeot Boxer/ Citroën Jumper (SWB)	SCA 480	340×184×65 cm	280 cm	225 cm
Fiat Ducato/ Peugeot Boxer/ Citroën Jumper (MWB)	SCA 482	400×184×88 cm	300 cm	245 cm

Roofs for other vehicle models can be found on www.sca-daecher.de or in the price list. All specified dimensions are approximate. Subject to technical change.

Roof insulation

A test performed by heater manufacturer Webasto demonstrates that it stays warm and cosy inside a panel van even in winter. With the temperature of the cold chamber set to minus 15 degrees, the temperature in a Mercedes Sprinter converted for winter

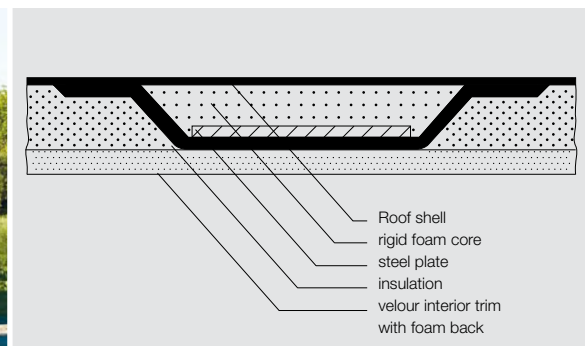
conditions by the conversion company Kubus remained at a pleasant 25 degrees. The thermographic picture below shows the heat dissipation of the panel van under these conditions. It is clear that almost no heat escapes via the insulated SCA high roof.



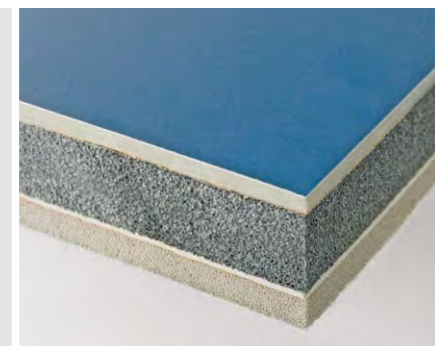
Alcove high roof on VW T5, LWB



High roof SCA 472 on VW Crafter, MWB



Sandwich design of a high roof with integrated roof bows, insulated and with additional interior trim



Design of insulation



Mercedes Sprinter with SCA 472 high roof in cold chamber



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