



# SANDWICHELEMENT

## CarPlan GF

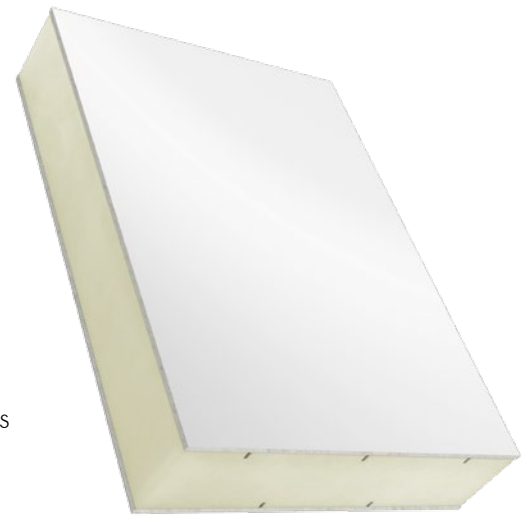
**STADUR**  
MADE IN GERMANY

### Description:

Stadur composite elements CarPlan GF consist of a foam core and GRP (glass fibre reinforced plastic) top layers.

### Top layers:

As standard we use GRP with a gel coat in the colour RAL 9010 in a thickness of 1.5 or 1.8 mm and with a surface with protective film. GRP thicknesses of 1.0 to 5.0 mm and colours (e.g. acc. to RAL) are available upon request.



### Core material:

PUR foam, extruded polystyrene foam and pp honeycomb core. All core materials can be offered in different densities.

### Total thickness:

The total thickness depends upon your individual requirements and can be freely selected in mm steps (from 15 mm - max. 100 mm). The thickness tolerance without security insert is +/- 0.8 mm and can be further reduced upon request.

### Formats:

Any format up to 14,000 x 3,200 mm can be produced.

### Weights:

25 mm total thickness (kg/m<sup>2</sup>)

Core/Top Layers	1,3+1,5 mm	1,5 mm	1,8 mm	2,0 mm	2,5 mm	3,0 mm
PUR (50 kg/m <sup>3</sup> )	5,4	5,9	6,6	7,1	7,7	9,8
PP-Wade (80 kg/m <sup>3</sup> )	6,4	6,9	7,4	7,9	8,6	10,7
Styrofoam (35 kg/m <sup>3</sup> )	5,1	5,6	6,2	6,7	7,4	9,5

### Special elements:

The Stadur composite elements CarPlan GF can be equipped with security inserts and / or reinforcements, e.g. for load application or for screw connection. Another production possibility are cut-outs and milled slots, which we perform on our CNC machining centre up to 14,000 x 3,200 x 80 mm. Edge processing of the foam core in the form of a step profile or groove and tongue are also possible. Inserts and reinforcements have other tolerance ranges as the foam core, i.e. marks on the surface cannot be ruled out.

#### Note:

In the case of dark and shining colours, surface irregularities as well as possible security inserts and reinforcements are much more strongly visible. In the case of processing of elements with edge gluing, attention must be paid that these are protected against weather influences. Please refer to the processing instructions for further information. All information without guarantee