



# SANDWICHELEMENT

## CarPlan Construct

### Description:

CarPlan Construct composite elements consist of an extruded polystyrene core and, on both sides, top layers of MultiPlan K in 2.0 mm, 1.5 mm, 1.3 mm or 1.0 mm thickness. The composite element is covered on both sides with a protective film. 10 years Stadur guarantee.

### Top layers:

MultiPlan K is a new high-performance plastic, which can be used from  $-20\text{ }^{\circ}\text{C}$  to  $+100\text{ }^{\circ}\text{C}$ . The special surface is highly UV resistant. MultiPlan K compact board in 2.0 mm, 1.5 mm, 1.3 mm or 1.0 mm thickness with white matte surface as standard incl. protective film.

### Foam core:

Extruded polystyrene foam, CFC-free or CO<sub>2</sub> foamed, high vapour tightness, lowest possible water absorption, B 1 acc. to DIN 4102. The foam core is grooved for optimum gluing, PUR foam or pp honeycomb possible on request.

### Total thickness:

The total thickness is determined according to requirements and can be freely selected in millimetre steps from 10 mm. Our standard thickness tolerance is  $\pm 0.8\text{ mm}$ .

### Formats:

Up to 14,000 x 2,000 mm with Multiplan K in 2.0 mm, otherwise standard formats 2000 x 1000 mm, 3000 x 2000 mm, 3000 x 1500 mm, 4000 x 2000 mm

### Special elements:

The Stadur composite elements CarPlan Construct 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. 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 subsequently painted elements, for which Stadur has given no written release, any claim under the guarantee is void. When solvent-based substances are employed, polyurethane foam must be used as the core. Please also note our recommendations concerning the protective foil of the MultiPlan K boards. 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

