



# SANDWICHELEMENT

## TechLine ALU

**STADUR**  
MADE IN GERMANY

# Product Information

## TechLine ALU

### Description:

Stadur composite elements TechLine ALU consist of a foam core and aluminium top layers.

### Top layers:

We use aluminium RAL 9010 with a thickness of 1.0 mm with protective film as standard.

Material thicknesses of 0.72 to 2.0 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 on 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, but can be further reduced upon request.

### Formats:

Any format up to 9,000 x 2,400 mm can be produced.

### Weights:

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

Core/Top Layers	0,72 mm	1,0 mm	2,0 mm
PUR (50 kg/m <sup>3</sup> )	6,0	7,1	12,7
PP-Wabe (80 kg/m <sup>3</sup> )	7,0	8,1	13,5
Styrofoam (35 kg/m <sup>3</sup> )	5,7	6,8	12,4

### Special elements:

The Stadur composite elements TechLine ALU 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

