



# SANDWICHELEMENT

**Protec** Intruder Protection

**STADUR**  
MADE IN GERMANY

# Product Information

## Protec Intruder Protection



In response to the increased demand for intruder protection in window and door construction, we have had tests performed on our Stadur FB Standard and Special Elements by the "Testing Institute for Door Technologies and Intruder Security", (Prüfinstitut Türentchnik und Einbruchssicherheit) in Rosenheim, Germany.

The areas of application for Stadur FB composite elements range from breastwork panelling for intruder-resistant windows, according to DIN V 18054 - up to resistance classification EF3, to intruder-resistant doors according to DIN V18103 - up to resistance classification ET3.

The main emphasis of development was placed on the subsequent further processing of the composite elements. Therefore it was decided to exclude sheet steel plating as a security insert.

Through the incorporation of special aluminium inserts instead, all processing steps such as cutting, drilling and milling can be performed without causing excessive extra work.

We can of course also provide sheet steel inserts in various thicknesses on request.

Type: (Standard)	Facings	Test Result	Insert
Stadur FB-1 PVC	PVC from 1.5 mm	A3	none
Stadur FB-4 Aluminium	Alu from 1.5 mm	A3	none

Type: (Standard)	Facings	Test Result	Insert
Stadur FB-1 PVC	PVC from 2.0 mm	B 1 and B 3	B 1 = 3 mm / B 3 = 4 mm
Stadur FB-2 Laminate	Laminate from 2.0 mm	B 1 and B 3	B 1 = 3 mm / B 3 = 4 mm
Stadur FB-4 Aluminium	Aluminium from 1.5 mm	B 3	- / B 3 = 3 mm

The tests performed for "Throw-through" resistance were modelled on DIN 52290 Part 4; for "Break-through" resistance on DIN 52290 Part 3, in accordance with the Resistance Classifications.

### Note:

For further information please refer to our brochure: Processing Instructions

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