



Alu-sandwich elements

Light-weight elements

Decorative films

EPO/-GRP-sandwich elements

Glass / Alu sandwich elements

HPL/-PVC-sandwich elements

Plywood elements

Self-adhesive sandwich elements

COSMO Foam



## Unlimited possibilities of design

Sandwich elements made by Weiss leave nothing to be desired. Because there is a large number of coverings and core materials available as well as there is the possibility of combining them in many different ways, a vast number of creative designs results for the finished element.

### Fields of application

Façade / window

Vehicle / trailer body

Fire protection applications

Door / gate / partition

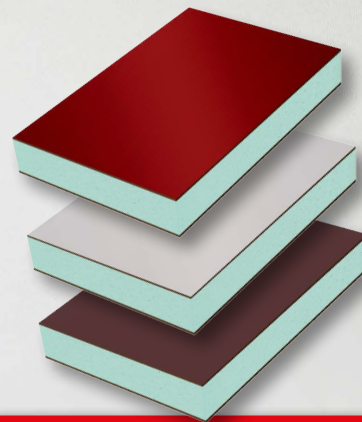
Machine / plant construction

Burglar through resistance

Transportation/ Marine

Container construction

Energy saving



**COSMO Tech HPL with TK core**  
*for partition construction*

## COSMO Tech HPL

HPL on both sides, COSMO TK core

(TK=thermoplastic plastics)

The innovative foam material COSMO TK of the material family polyester is very well suitable for the construction of partitions.

The advantage of this foam is the unique combination of material and processing characteristics. High structural strength at low weight and the water resistance are the most important factors that distinguish the COSMO TK from traditional core materials.

Due to its thermoplastic characteristics, COSMO TK can easily be formed by thermo-forming methods.

## Special characteristics

- Outstanding mechanical characteristics
- Low weight
- Screwable using industrial screws for timber construction
- Screw without pre-drilling
- Long-term water resistant
- Swelling-resistant, i.e. no changes of dimensions
- High pressure resistance
- Longer service life of tools
- Environment-friendly core material (100% recyclable)

## Examples for application



## Technical Data

	<b>COSMO Tech HPL</b> HPL on both sides, COSMO TK core	<b>COSMO Tech HPL</b> HPL on both sides, COSMO TK core
<b>Materials</b>	2.0 mm HPL 24. mm COSMO TK150 2.0 mm HPL 28.0 mm total thickness	2.0 mm HPL 26.0 mm COSMO TK150 2.0 mm HPL 30.0 mm total thickness
<b>Screw withdrawal strength</b>	approx. 380 N	approx. 380 N
<b>Pressure resistance</b>	2.6 N/mm <sup>2</sup>	2.6 N/mm <sup>2</sup>
<b>Absorption of water</b> (24 h storage in water)	0 %	0 %
<b>Change of dimensions</b> (24 h storage in water)	0 %	0 %
<b>U-value</b>	1.30 W/m <sup>2</sup> K	1.22 W/m <sup>2</sup> K
<b>Surface weight</b>	9.8 kg/m <sup>2</sup>	10.1 kg/m <sup>2</sup>
<b>Formats</b>	2800x1860mm 2800x2070mm	2800x1860mm 2800x2070mm