

All of our COSMO Composite panel solutions

made by weiss



Alu-Composite panels

Lightweight construction elements

Decor foils

EPO/-GFR-Composite panels

Glass/-Alu-Composite panels

HPL/-PVC-Composite panels

Plywood panels

Self-adhesive rigid foam panels

COSMO Foam



Limitless design options

Weiss sandwich panels make your wishes come true. The wide variety of available top layers and core materials as well as the capability to combine and handle them in various ways, offer countless creative design possibilities for the finished element.

Fields of application

Facade construction

Transportation

Industry

Window construction

Marine

Container construction

Door/Gate/Partition wall systems

Vehicle construction

Special applications

COSMO Composite panels

weiss



COSMO TK/200 Composite panels

weiss

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COSMO TK/200 Composite panels

(TK=thermoplastic material)

The innovative foam COSMO-TK consists of a thermoplastic material and is perfectly suitable for construction.

Its advantage is the unique combination of material and processing properties. High structural strength at low weight and very good temperature stability are the important factors that enable COSMO TK to stand out amongst traditional core materials.

Its closed cell structure prevents humidity absorption and therefore this core material is optimal for the application in humid rooms. COSMO TK is recyclable and therefore allows applications which focus on eco-friendliness.

COSMO-TK can be thermoformed easily thanks to its thermoplastic properties.

Properties

- Excellent mechanic characteristics
- Perfectly screwable (430N)
- Great insulating properties ($\lambda=0.043\text{ W/mK}$)
- High temperature stability
- High processing temperature (150°C)
- Minimal absorption of humidity thanks to closed cell structure
- Environmentally friendly (100% recyclable)
- Compressive strength 3,6 MPa

Possible dimensions by request

Applications

- Partition wall systems
- Vehicle construction
- Floor elements
- Humid rooms
- Door fillings



Specifications

Material	HPL/2,0 TK/200/26,0 HPL/2,0	HPL/1,5 TK/200/26,0 HPL/1,5	ALU/2,0 TK/200/26,0 ALU/2,0	ALU/1,5 TK/200/26,0 ALU/1,5	PVC/2,0 TK/200/26,0 PVC/2,0	PVC/1,5 TK/200/26,0 PVC/1,5
U-value	1,266W/m²K	1,271W/m²K	1,288W/m²K	1,288W/m²K	1,247W/m²K	1,257W/m²K
Surface-weight	11,5Kg/m²	10,0Kg/m²	16,6Kg/m²	13,9Kg/m²	11,6Kg/m²	10,1Kg/m²