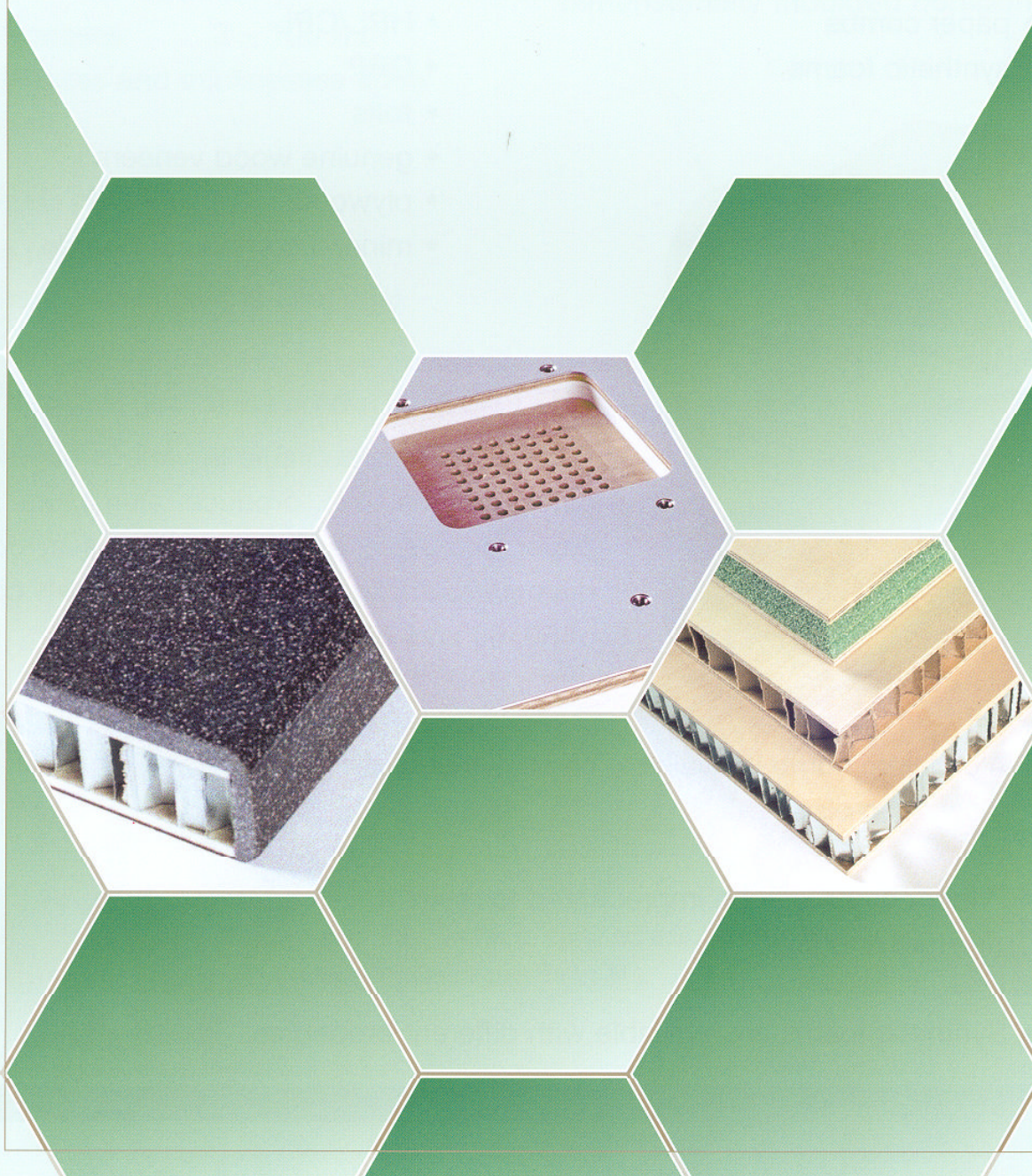




# WAROTEC®

THE MULTIFUNCTIONAL SANDWICH ELEMENT





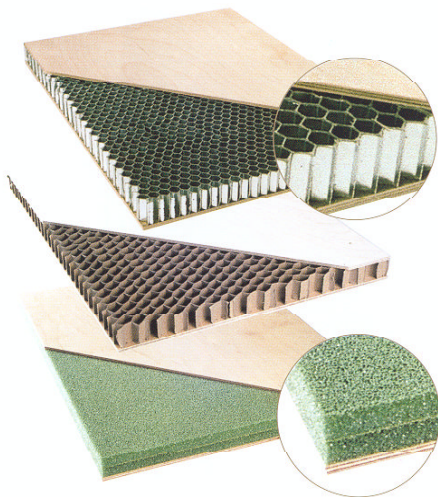
# WAROTEC®

## THE MULTIFUNCTIONAL SANDWICH ELEMENT

WAROTEC® was especially designed for use in railcar construction and ship building. Due to its high rigidity and low weight, it perfectly fulfils demands in other areas of application as well. A great variety of material combinations are available depending on intended use and customer needs.

### Core materials available

- aluminium combs
- paper combs
- synthetic foams



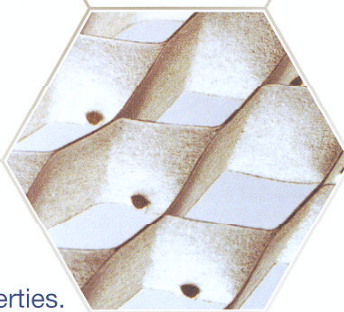
### Possible surface coatings and coverings

- aluminium sheeting
- HPL/CPL
- GRP
- foils
- genuine wood veneers
- plywood
- mineral compound boards

## OPTIONAL MATERIALS

WAROTEC® is available in various sandwich configurations. We produce aluminium and paper combs in different thicknesses, comb diameters, and gauges (e.g. aluminium comb of 50, 60 and 70 µm).

- Aluminium comb is available chrome-free and seawater-resistant.
- Paper combs can be impregnated to resist moisture and fire.
- Synthetic foams are available with different properties.



## TECHNICAL DATA

Due to the great variety of WAROTEC® products available, general information about tensile strength, sound absorption, and thermal and electric insulation properties can only be provided regarding specific products and is available upon request.

## DIMENSIONS

Size: 2200 x 4600 mm

Thicknesses: 3 – 100 mm

Other sizes and thicknesses upon request.

## WEIGHT

Core material  
(without coverings and coatings)

Aluminium combs	23 – 85 kg/m <sup>3</sup>
Paper combs	30 – 40 kg/m <sup>3</sup>
Phenol foam	120 – 230 kg/m <sup>3</sup>
Melamine foam	150 – 630 kg/m <sup>3</sup>
PVC foam	20 – 150 kg/m <sup>3</sup>

The overall weight of the individual sandwich element is determined by the weight of the core material, any additional inlays, and the weight of coverings and coatings.



Rudolf Rost Sperrholz GmbH is certified acc. to ISO 9001:2000 and a Q1 supplier of Deutsche Bahn AG.



## FIRE RESISTANCE

Depending on sandwich assembly, we are flammability certified for ship and railcar construction.

## PROCESSING

WAROTEC® can be made ready to be installed and processed according to your drawings, as well in 2- or 3-dimensionally moulded components.





## AREAS OF APPLICATION

WAROTEC® is used in the following insulation and construction areas:

- floor panelling
- wall cladding
- partition walls
- ceiling elements
- door panels
- air ducts
- furniture parts
- WC cabins
- formed components

## REFERENCES

DB AG, Bombardier, Siemens, Alstom, Stadler, Thyssen, HDW, Abeking + Rasmussen, Lürssen, Blohm + Voss

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Navy vessels



FLIRT



Talent



Regio Shuttle



Rudolf Rost Sperrholz GmbH  
Lohe 4  
D-25462 Rellingen

Phone 0049 (0)4101/ 59 39-0  
Fax 0049 (0)4101/ 59 39-59  
Email [info@rudolf-rost.de](mailto:info@rudolf-rost.de)  
[www.rudolf-rost.de](http://www.rudolf-rost.de)

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