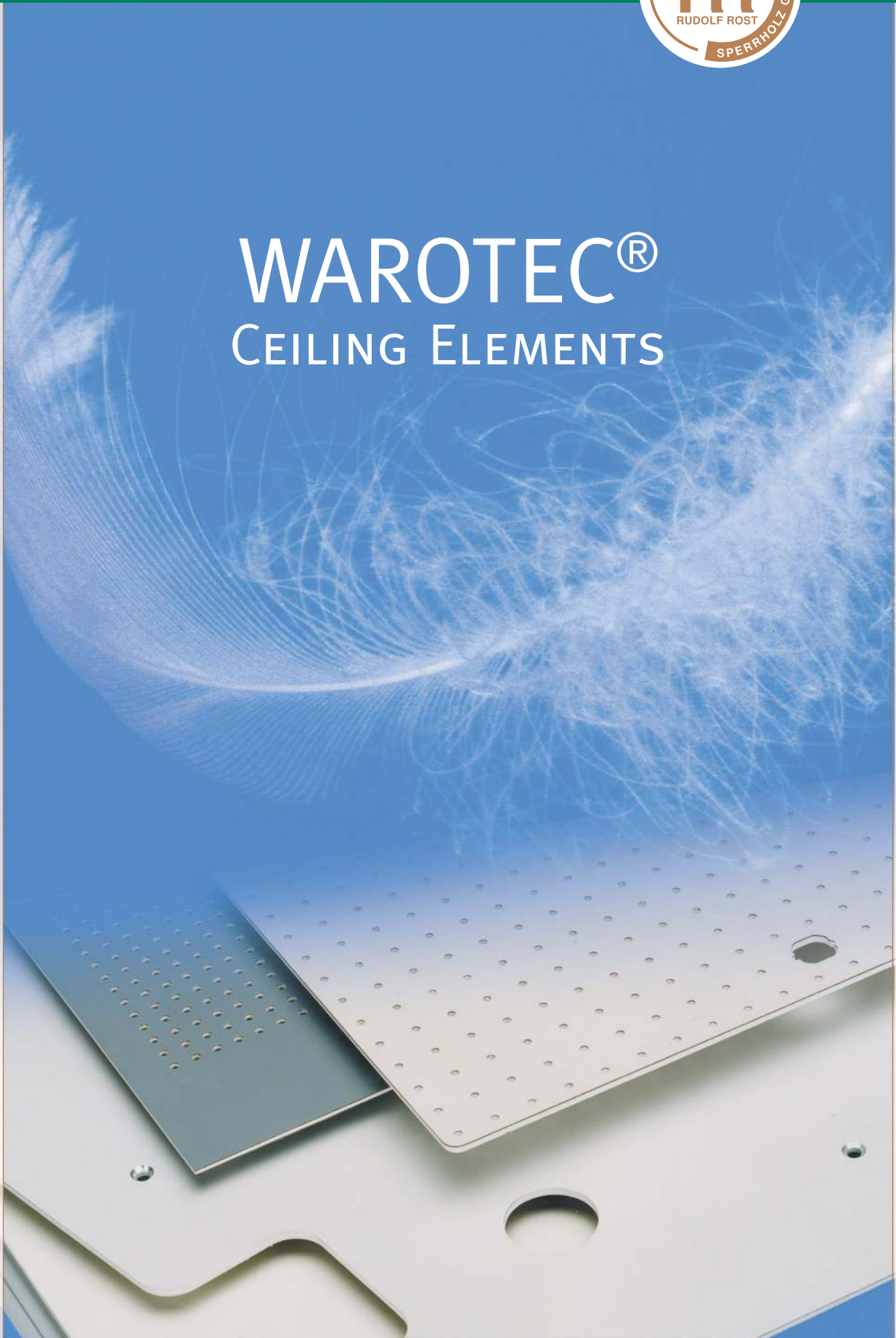


# WAROTEC®

## CEILING ELEMENTS



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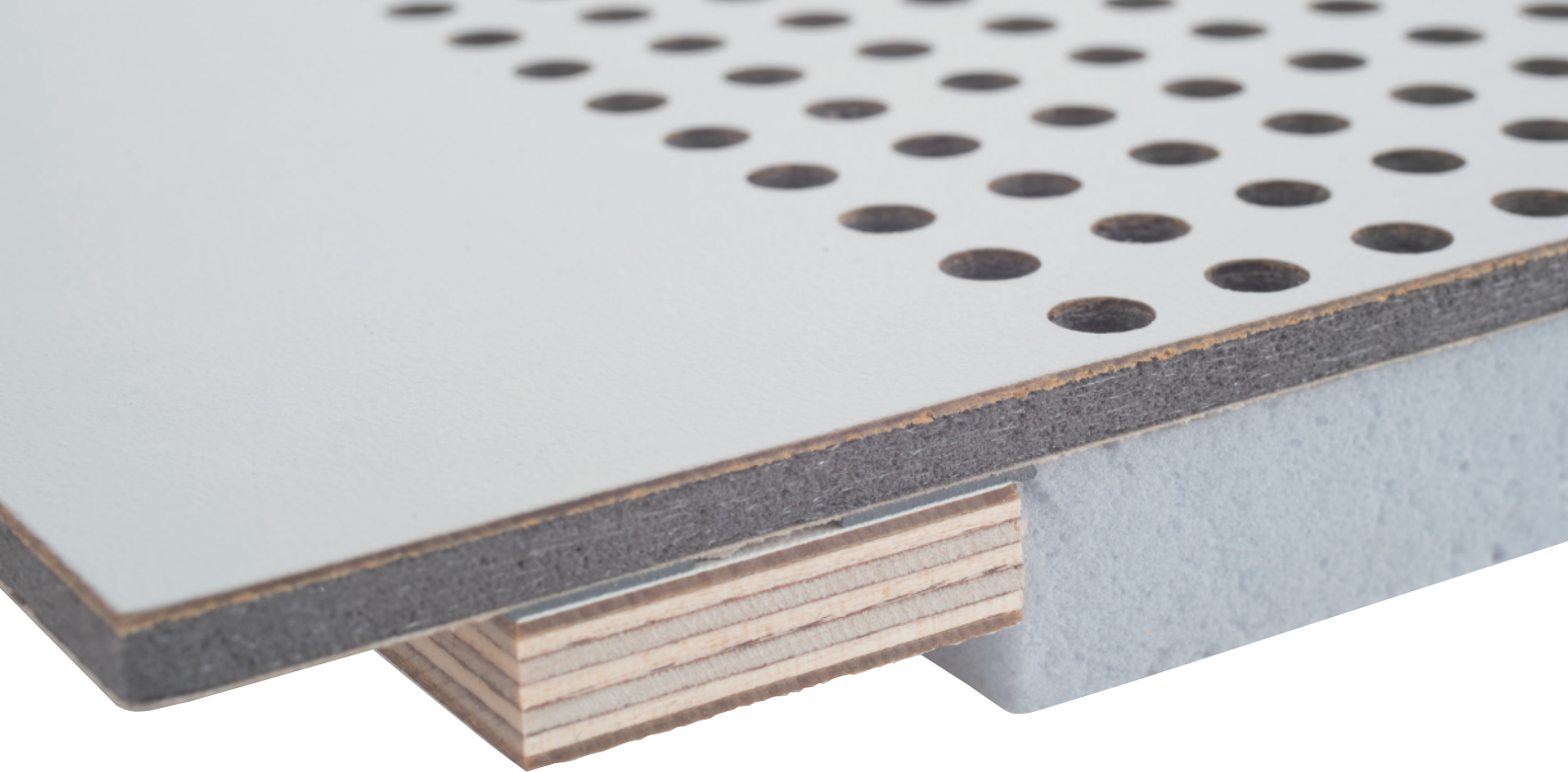
Today's demands on ceiling systems require a rethinking of the material choice.

Conventional ceiling coverings made from metal increasingly need to be replaced by lighter sandwich constructions with higher demands on surfaces. WAROTEC® ceiling elements are the light and economic solution, available as fire resistant with WARO®foam Classic (organic) or non combustible with WARO®foam NC (inorganic). Both materials comply with the railway industry fire safety regulations and also meet the requirements for use in shipbuilding.

## CONSTRUCTIVE VARIATIONS

- two- or three-dimensional form parts
- various surface claddings
- ready for installation, including all assembly parts
- milled, punched/perforated
- alternative carrier panels made of light wood, comb or foam





## ADVANTAGES

- fire resistant (with WARO®foam Classic) or non combustible (with WARO®foam NC) with bulkhead function
- very low weight (only about 10% of conventional steel ceiling and 30% of a conventional aluminum ceiling)
- very good insulating/sound absorbing properties
- covered with real wood veneers possible
- weight optimization by low weight substructure with small installation depth
- cost savings due to easy assembly
- uncomplicated production of perfectly perforated ceilings
- fire behavior tested according to EN 45 545-2, DIN 5510-2 and GOST-Norm 12.1.044-89, as well as further examinations in European countries
- fulfills SOLAS/IMO Res. A 653 (16) + Res. MSC 61 (67) Annex 1, Part 5 as well as Res. A 799 (19), Part 1 (MED approvals for the carrier panels are available)

For customer-side processing, we refer explicitly to our recommendation for handling and processing.

This brochure as well as detailed technical data sheets can be found in the download area of our homepage at [www.rudolf-rost.de](http://www.rudolf-rost.de).



**DB** Mobility  
Networks  
Logistics

We are certified in accordance with EN ISO 9001 cert and Q1 supplier of Deutsche Bahn AG.

We have the adhesive approval according to DIN 6701-2.

MED-approved shipbuilding materials are TÜV-certified and audited.





# REFERENCES

## For railway industry

Alstom

Bombardier Transportation

Deutsche Bahn

Schweizerische Bundesbahnen

Siemens

SNCF

Stadler



*urban trains*



*mega yachts and cruise ships*

## For yacht- and shipbuilding

Blohm & Voss

Feadship

Fincantieri

German Naval Yards

Meyer Werft

STX



*trams*



*high-speed trains*



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