

# 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

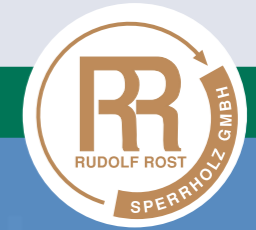


**Rudolf Rost Sperrholz GmbH**

Lohe 4  
25462 Rellingen  
Germany

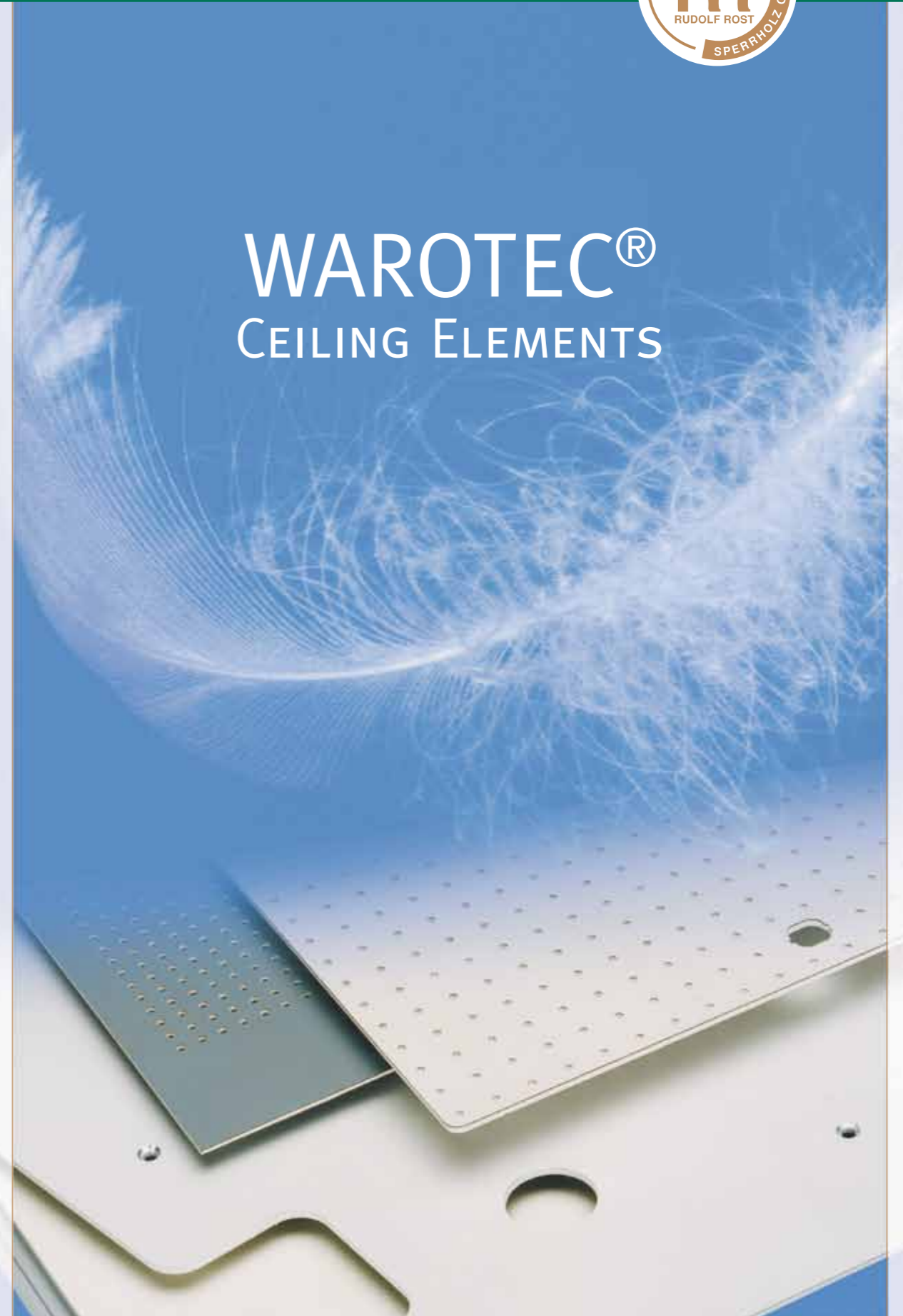
Phone 0049 (0)4101/59 39 - 0  
Fax 0049 (0)4101/59 39 - 59  
E-mail [info@rudolf-rost.de](mailto:info@rudolf-rost.de)

[www.rudolf-rost.de](http://www.rudolf-rost.de)



# WAROTEC®

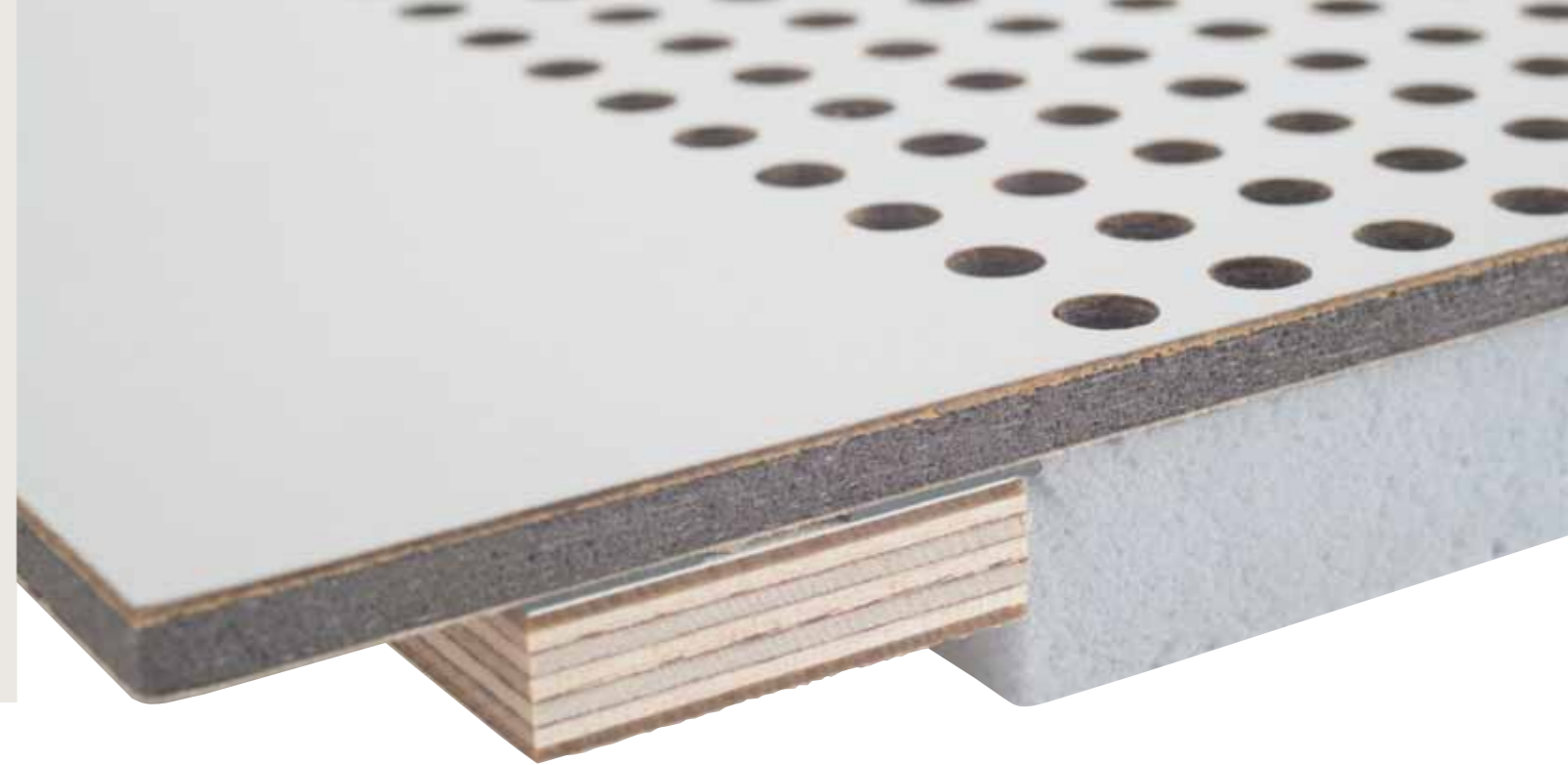
## CEILING ELEMENTS



# WAROTEC® CEILING ELEMENTS

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).



We are certified in accordance with EN ISO 9001; International Railway Industry Standard (IRIS) cert, 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.

