

# REFERENCES

## For railway industry

Alstom  
Bombardier Transportation  
Deutsche Bahn  
Hyundai EU Rotem  
NedTrain  
Siemens



urban trains



mega yachts



coaches



urban trains

## For yacht- and shipbuilding

Blohm & Voss  
Feadship  
Fincantieri  
Meyer Werft  
Nobiskrug Werft  
STX



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**BARY VAM<sup>®</sup>**  
THE SOUND BRAKE

# BARY VAM®

## THE SOUND BRAKE

BARY VAM® was especially designed for the railway industry, vehicle construction and ship building as a construction element with the highest acoustic efficiency. This sandwich element allows a comfortable sound level even at high cruising speeds. The standard version of BARY VAM® consists of two birch plywood boards around an internal thermo-ductile synthetic mat. The thicknesses of the plywood boards and the synthetic mats are variable.

### ADVANTAGES

- low life-cycle costs: extremely durable with high product safety
- proven for decades
- multi-purpose use (insulation and construction of floors or partition walls)
- sound insulation value  $R_w$  33 dB, in special constructions up to 45 dB
- vibration reducing
- reduction of airborne sound transmission in sound protected areas
- manufactured in accordance with DIN 6701-2, the plywood used is EN 314-2, class 3 and DIN 68705, part 3, BFU 100 glued
- fire behaviour tested according to EN 45 545-2 and DIN 5510-2

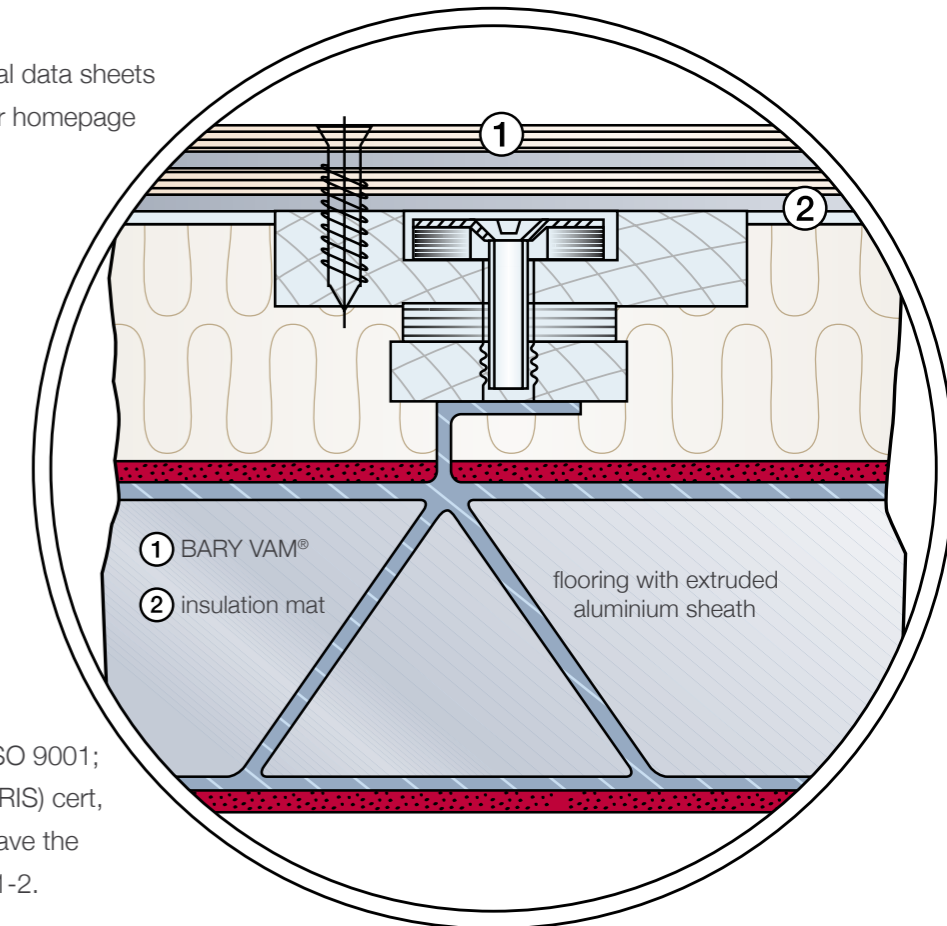
### CONSTRUCTIVE VARIATIONS

- the use of fire resistant plywood (e.g. JELMO®) can reduce the flammability considerably.
- the use of FSC/PEFC certified plywood allows an ecologically sustainable BARY VAM® variant
- individual special constructions with one outer layer and/or with several heavy layers in thicknesses of 2 - 6 mm are available
- for use in tropical conditions (extreme humidity, termite danger) made of plywood with increased resistance to EN 350-2
- assembly-ready and ready-to-install machining according to the customers drawing including the necessary add-on parts
- surface coating e.g. with special paint, fire resistant paint, aluminum sheet, HPL/CPL, phenolic resin, aquastop, floor covering



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.

