Technical Product Information

WARO®foam Classic Train

the lightweight construction and carrier panel

technical data	
material	
glass fiber-reinforced phenolic foam	
dimensions	
thickness [mm]	2.6-15
thickness tolerance, max. [mm]	+/- 0.3
length, max. [mm]	2640
width, max. [mm]	1220
material properties	
flexural modulus [N/mm^2]	900
tensile strength [N/mm^2]	1
thermal conductivity λ [W/mK] *for 210 kg/m^3*	0.042
density [kg/m^3]	approx. 210 *other available upon request*
surface weight [kg/m^2] *for 10 mm*	approx. 2.0
further information	
surface quality	uncoated
fire protection class DIN 5510-2 EN45545-2	fire resistant S4 SR2, ST2, FED ≤ 1.0 R1: HL2/HL3

Product description

WARO®foam is a flame-retardant, lightweight construction and carrier panel.

Composition

Depending on the thickness, WARO®foam consists of multiple layers of glass fiber-reinforced phenolic foam.

Quality

In standard quality, the surfaces of a WARO®foam panel are suitable for coating and bonding. As an alternative finish an aluminum foil or a HPL top layer can be applied to the panel surface. In addition to the standard panel material, custom molded parts can be produced for specific projects.

Processing

The manufacturing and processing can be performed on common wood processing machines with a suitable ventilation and suction system. The construction panel can be bonded with various laminates (e.g., aluminum, steel, laminate panels, etc.) or finished with a coat of paint. Further information is available upon request.

Areas of application / References

WARO®foam is primarily used for interior work in railway vehicle manufacturing and shipbuilding. It is particularly well suited for self-supporting and insulated air duct construction, as well as for lightweight walls and ceilings.

Stock and transport regulations

More detailed information can be found in a separated document entitled „Regulations for storage and internal transports".

Remarks

The specific properties of the project and conditions of application have to be personally checked by the client before using this product. The material parameters listed here are determined by standard specifications and are to be understood as a guideline, but not as guaranteed values. The customer is fully responsible for the suitability and the properties of our product under the specific conditions of implementation chosen by the customer.