



BARY VAM®

the sound absorbing sandwich panel

Product description

BARY VAM® is a sound absorbing sandwich out of birch-plywood and a heavy layer mat with exceptional acoustical and thermal insulating properties.

Composition

Sandwich-build heavy-layer mat with birch plywood on each side. The thickness, as well as the wood type of the plywood panels can be modified. Even the thickness of the heavy layer mat can be modified.

Quality

The plywood fulfils the quality requirements according to DIN 6701-2: Category 3 (exterior), the gluing of the sandwich is a waterproof gluing. The surfaces are sanded and the edges are trimmed.

Processing

The manufacture and processing can be done on normal wood processing machines with a suitable ventilation and suction.

Areas of application / References

As a universal construction plywood for wall, ceiling and floors.

Stock and transport regulations

Our extended information is applicable, which you can find in a separate document called „Regulations for storage and internal transports“.

Remarks

Before the use of this product the specific properties of the project and conditions of application are to be checked by the client itself. The test values listed here are determined by fixed specifications and are to be understood as a guideline, but not as an assurance. The customer is fully responsible for the suitability and the properties of our product under the conditions of usage chosen by the customer.

Technical data

Material	Birch / Heavy layer / Birch		
Thickness [mm]	11 / 16 / 21.5		
Thickness tolerance, max. [mm]	+/- 1.0		
Standard length [mm]	2480 / 2980 / 3000		
Standard width [mm]	1230 / 1480 / 1500		
Surface quality	BB/BB (sanded)		
Acoustical insulation value $R_{w,Air}$ [dB] for 16 mm	33		
Thermal conductivity λ [W/mK]	approx. 0.15		
Density [kg/m ³] for 16 mm	1000		
Surface weight [kg/m ²] for 16 mm	approx. 16		
Gluing <i>DIN 6701-2</i>	Category 3 exterior (applicable to the plywood)		
Characteristic flexural modulus [N/mm ²] based on <i>DIN 53293</i>		lengthwise	crosswise
	16 mm	7500	6500
	21 mm	9500	5500
Characteristic maximum bending stress [N/mm ²] based on <i>DIN 53293</i>		lengthwise	crosswise
	16 mm	37	25
	21 mm	52	28
Screw pull test [N] based on <i>DIN EN ISO 320</i>	16 mm	2000	
	21 mm	2500	
Approval - Deutsche Bahn	Material performance sheet No. 610101		
Fire class DIN 5510-2 EN45545-2	S4, ST2, SR2, FED < 1 With some projects acc. to R10 tested with floor covering: HL2		