



Characteristics:

Thermally bonded textile batt for thermal and acoustic insulation in the construction industry.

Material Content:

Recycled textile waste with 77% cotton fibres.

Properties:



Regular Use:

Insulation for the exterior load-bearing walls of prefabricated buildings, internal partitions, trusses and ceiling structures. Interior insulation for suspended ceilings and lamellar design panels.



TexBatt 37 Bio

Technical parameters

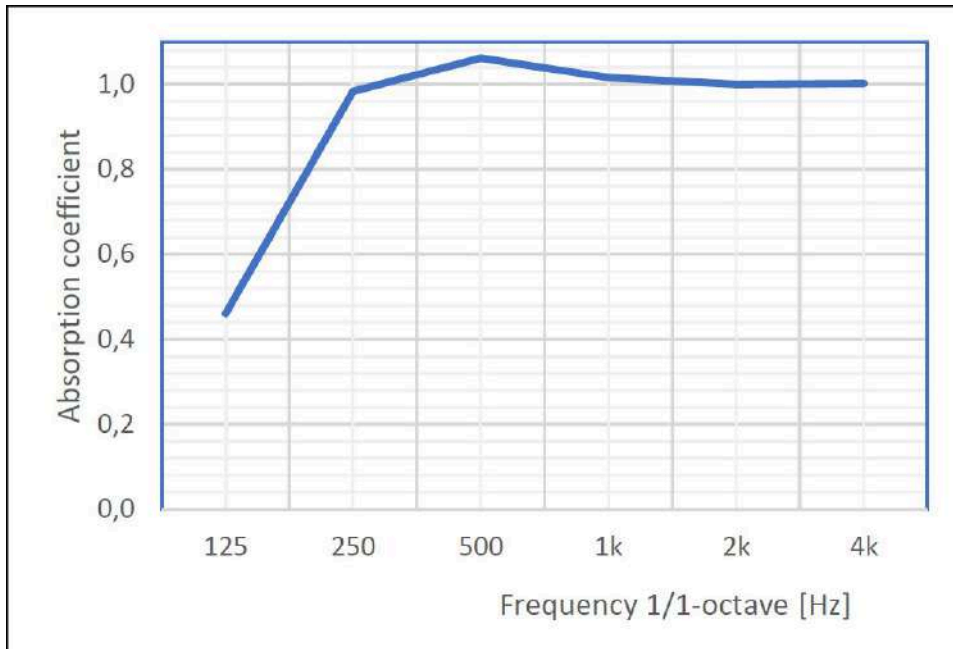


PHYSICAL PROPERTIES	Units	50mm	75mm	100mm	120mm	200mm	
Density [ρ] / EN 1602	kg/m³	25					
Thickness / EN 823	mm	50	75	100	120	200	
Custom Thickness	Custom production is possible up to 200mm						
Measurement of sound absorption in a reverberation room according to EN ISO 354:2003. 1/1 octave Sound Absorption coefficients α _s	Hz	125	250	500	1000	2000	4000
	α _s	0,5	1,0	1,1	1,0	1,0	1,0
Sound Absorbers for use in buildings according to EN ISO 11654:1997 (Weighted sound absorption coefficient)	α _s	1.00					
Sound absorption class	A						
Sound insulation of building elements according to EN ISO 10140 & EN ISO 717-1	R _w (C; C _{tr})	41 (-4;-10) dB					
Thermal conductivity[λ] EN 12667	W/m.K	λ = 0.037 W/m·K (≤160 mm) / 0.038 W/m·K (>160 mm)					
Reaction to fire EN ISO 13501	E						
Life Cycle Assessment (LCA/A1-A3 for 1 m2 of 1 R-value)	-0,4 kg CO ₂ -eq						
VOC	A+						
Water vapour permeance (W) EN 12086	mg/(m²·h·Pa)	4.55					
Water vapour resistance (Z) EN 12086	(m²·h·Pa)/mg	0.22					
Short-term water absorption (Wp) EN ISO 29767:2019	kg/m²	2.60					
Nordic Swan Eco Label	Approved for Nordic Swan Ecolabel certified buildings.						
Thickness tolerance	T2						
ISO	ISO 9001, ISO 14001, ISO 45001 & ISO 50001						
Width (up to)	mm	600					
Length (up to)	mm	1200					
Packing	Batts packed in PE bags on single use wooden PXL pallets. Pallets are foil wrapped.						
Pallet dimension (PXL)	mm	1200x1200x2500					
Storage	In covered, clean and dry spaces						
No. of pcs per pallet	pcs	96	64	48	40	24	
No. of pcs per bag	pcs	12	8	6	5	3	
Surface in m2 per pallet	m²	69,12	46,08	34,56	28,80	17,28	
Surface in m2 per full truck load	m²	1.520,64	1013,76	760,32	633,60	380,16	
No. of bags per pallet	pcs	8	8	8	8	8	

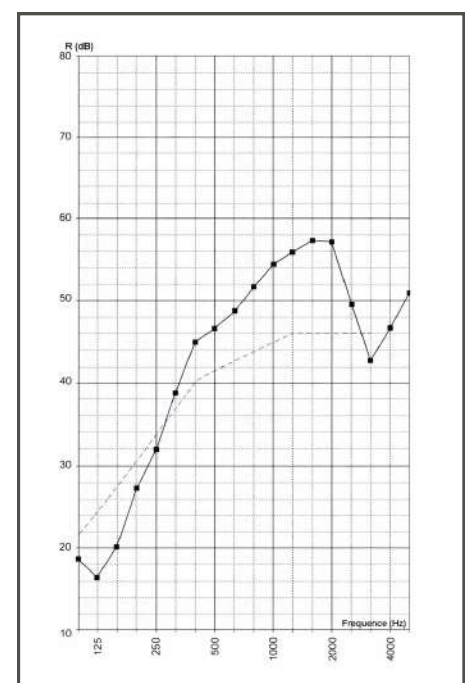
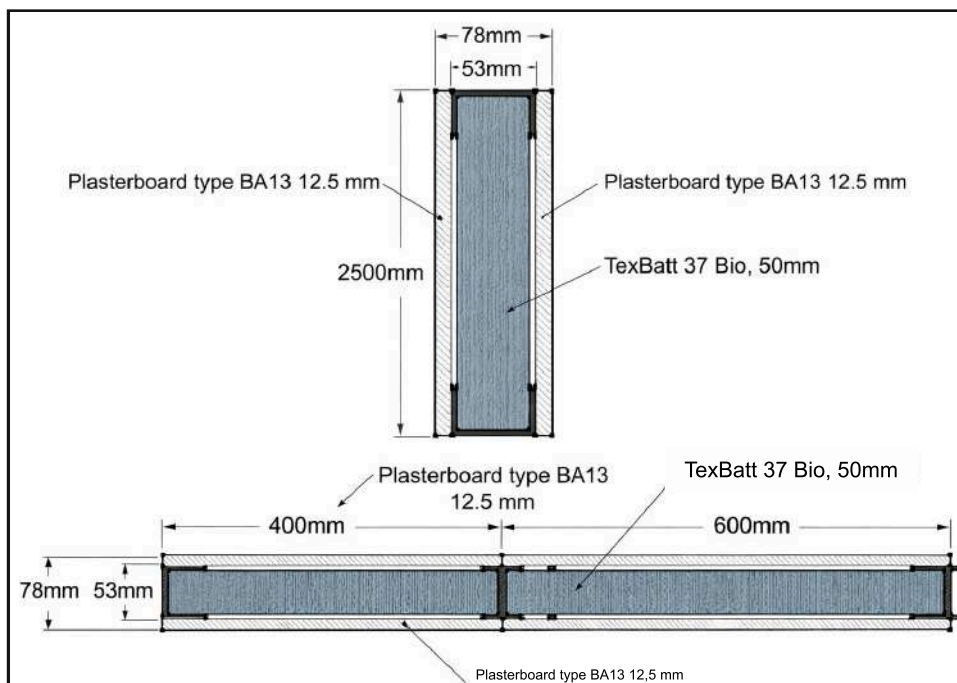
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Acoustic Properties

Sound absorption - EN ISO 354:2003



Sound insulation EN ISO 717-1



..... Typical RW Curve

Weighted airborne sound reduction index:

Evaluated according to EN ISO 717-1

R_w (C; C_{tr}) = 41 dB (-4 dB; -10 dB)