

GranuTex 44 Bio



Characteristics:

100% shredded recycled textiles for thermal and acoustic insulation in the construction industry.

Material Content:

Recycled frayed textile waste treated with flame retardant.

Properties:



Regular Use:

Insulation for attic floors, between joists and trusses, in both new construction and renovation work. Can be installed manually by hand or with standard in-blowing machines.



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Technical Parameters

PHYSICAL PROPERTIES	Units	GranuTex	
Density [ρ] / EN 1602	kg/m ³	12,5 (-2,5 / +2,5)	
Settlement	%	15%	
Thickness before settlement	mm	125-735	
THERMAL INSULATION PROPERTIES			
Thermal conductivity [λ] EN 12667	W/m.K	0,044	
FIRE CLASSIFICATION			
Reaction to fire EN ISO 13501	D-s2,d0		
EMISSIONS			
Life Cycle Assessment (LCA/A1-A3 for 1 m ² of 1 R-value)*	≤ 360 mm of thickness: -0,336 kg CO ₂ -eq		> 360 mm of thickness: -0,338 kg CO ₂ -eq
VOCs	A+		
QUALITY MANAGEMENT SYSTEM			
ISO	ISO 9001, ISO 14001, ISO 45001 & ISO 50001		
PACKAGING & STORAGE			
Packing	The granules are packed in plastic bags & stored on single-use wooden pallets.		
Pallet dimension	mm	1200x1200x2500	
Storage	In covered, clean and dry spaces		
No. of bags per pallet	qty	36	
Bags per full truck load	qty	792	

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Thermal Resistance Table

Thermal Resistance R(m ² .K/W)	Minimum Thickness (mm)	Thickness After Compression (mm)	Minimum No. Of Bags for 100 m ² 12,5 kg.
2,0	105	88	9,0
2,5	130	110	11,0
3,0	155	132	13,0
3,5	180	154	15,0
4,0	205	176	17,0
4,5	235	198	19,0
5,0	260	220	21,0
5,5	285	242	23,0
6,0	310	264	25,0
6,5	335	286	27,0
7,0	360	308	29,0
7,5	390	330	32,0
8,0	415	352	34,0
8,5	440	374	36,0
9,0	465	396	38,0
9,5	490	418	40,0
10,0	520	440	42,0
10,5	545	462	44,0
11,0	570	484	46,0
11,5	595	506	48,0