



DBRED FONOTECH

ELASTIC MAT FOR IMPACT SOUND INSULATION

DBRED FONOTECH Elastic mat for impact sound insulation				
COMPOSITION	Chemically crosslinked polyethylene foam.			
COLOUR	Dark grey.			
FIELDS OF APPLICATION	Under screed.			
THICKNESS	4* - 5 - 10* mm			
PACKAGING	PRODUCT	ROLL DIMENSIONS	QUANTITY PER ROLL	PALLET WEIGHT
	FONOTECH 4*	150 x 6000 cm	90 m ²	~ 64 kg
	FONOTECH 5	150 x 5000 cm	75 m ²	~ 65 kg
	FONOTECH 10*	150 x 5000 cm	75 m ²	~ 92 kg
APPLICATION	Consult the "dBred Application Manual" or contact <i>Edilteco Technical Department</i> .			
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	VALUE	NORM	
	Density:	~ 30 kg/m ³	UNI EN ISO 845	
	Tensile strenght:	longitudinal: 0,31 MPa	UNI EN ISO 1798	
		transversal: 0,29 MPa		
	Elongation at break:	longitudinal: 124,63%	UNI EN ISO 1798	
		transversal: 112,83%		
	Deformation under compression force:	10%: 0,028 MPa	UNI EN ISO 3386	
		25%: 0,055 MPa		
		50%: 0,164 MPa		
	Water absorption:	2,0%	UNI EN 12087	
	Thermal conductivity λ_0 :	0,0320 W/mK	UNI EN 12667	
	Compressibility c:	thick. 4 mm: n.d.	UNI EN 12431	
thick. 5 mm: 0,10 mm				
thick. 10 mm: 0,23 mm				
Dynamic stiffness s'_i :	thick. 4 mm: 73 MN/m ³	UNI EN 29052-1		
	thick. 5 mm: 52 MN/m ³			
	thick. 10 mm: 19 MN/m ³			

* Available on demand.



dBred Noise Reduction Division



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	CHARACTERISTIC	VALUE	NORM
TECHNICAL CHARACTERISTICS	Impact sound insulation ΔL_v :	thick. 4 mm: 32 dB	UNI EN ISO 140-7/8 **
		thick. 5 mm: 33 dB	
		thick. 10 mm: 36 dB	

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** Corresponding to the current UNI EN ISO 16283-2 and UNI EN ISO 10140-3.



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DBRED FONOTECH PLUS 3.6 WITH OVERLAPS

ACOUSTIC MAT WITH OVERLAPS FOR IMPACT NOISES

DBRED FONOTECH PLUS 3.6 WITH OVERLAPS

Acoustic mat with overlaps for impact noises

COMPOSITION	Chemically crosslinked expanded PE, of 3 mm joint to polyester fiber of 6 mm on one side, and with overlaps of 50 mm on both sides.		
COLOUR	Charcoal grey-white.		
FIELDS OF APPLICATION	Under screed.		
THICKNESS	9 mm nominal.		
PACKAGING	ROLL DIMENSIONS	QUANTITY PER ROLL	
	150 x 5000 cm	75 m ²	
APPLICATION	Consult the "dBred Application Manual" or contact <i>Edilteco Technical Department</i> .		
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	VALUE	NORM
	Density:	30 kg/m ³ *	UNI EN ISO 845
	Tensile strenght:	longitudinal: 0,31 MPa *	UNI EN ISO 1798
		transversal: 0,29 MPa *	UNI EN ISO 1798
	Elongation at break:	longitudinal: 124,63 % *	UNI EN ISO 1798
		transversal: 112,83 % *	UNI EN ISO 1798
	Resistance factor to the diffusion of water vapor μ :	> 2000 *	UNI EN ISO 12572
	Water absorption:	2,0 % *	UNI EN 12087
Thermal conductivity λ_0 :	0,0320 W/mK *	UNI EN 12667	
Dynamic stiffness s'_d :	13 MN/m ³	UNI EN 29052-1	
Impact sound insulation ΔL_w ; [screed 6,5 cm - 155 kg/m ²]	34 dB	UNI EN 12354-2	

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*Value recognized on expanded polyethylene.



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ACOUSTIC MAT WITH OVERLAPS FOR IMPACT NOISES

DBRED FONOTECH PLUS 5.6 WITH OVERLAPS

Acoustic mat with overlaps for impact noises

COMPOSITION	Chemically crosslinked expanded PE, of 5 mm joint to polyester fiber of 6 mm on one side, and with overlaps of 50 mm on both sides.		
COLOUR	Charcoal grey - white.		
FIELDS OF APPLICATION	Under screed.		
THICKNESS	11 mm nominal.		
PACKAGING	ROLL DIMENSIONS	QUANTITY PER ROLL	
	150 x 5000 cm	75 m ²	
APPLICATION	Consult the "dBred Application Manual" or contact <i>Edilteco Technical Department</i> .		
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	VALUE	NORM
	Density:	30 kg/m ³ *	UNI EN ISO 845
	Tensile strenght:	longitudinal: 0,31 MPa *	UNI EN ISO 1798
		transversal: 0,29 MPa *	UNI EN ISO 1798
	Elongation at break:	longitudinal: 124,63 % *	UNI EN ISO 1798
		transversal: 112,83 % *	UNI EN ISO 1798
	Resistance factor to the diffusion of water vapor μ :	> 2000 *	UNI EN ISO 12572
	Water absorption:	2,0 % *	UNI EN 12087
	Thermal conductivity λ_D :	0,036 W/mK	UNI EN 12667
	Dynamic stiffness s'_i :	11 MN/m ³	UNI EN 29052-1
Impact sound insulation ΔL_w : (<i>massetto 4 cm - 80 kg/m²</i>)	36 dB	UNI EN ISO 140-7/8 UNI EN ISO 717-2	
Compressibility c:	2.45 mm	UNI EN 12431	

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FONOTECH 5.6 ANTISCRATCH

ELASTIC MAT WITH OVERLAPS FOR IMPACT SOUND INSULATION

FONOTECH 5.6 ANTISCRATCH Elastic mat with overlaps for impact sound insulation

COMPOSITION	Chemically crosslinked EPE, 5 mm thick., coated with reflective aluminated film, joint to polysther fiber 6 mm, and with side 50 mm overlaps.		
COLOUR	Anthracite - white.		
FIELDS OF APPLICATION	Under screed.		
THICKNESS	~ 11 mm		
PACKAGING	ROLL DIMENSIONS	QUANTITY PER ROLL	
	150 x 2500 cm	37,5 m ²	
	150 x 5000 cm	75 m ²	
APPLICATION	Consult the "dBred Application Manual" or contact <i>Edilteco Technical Department</i> .		
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	VALUE	NORM
	Density:	~ 30 kg/m ³ *	UNI EN ISO 845
	Tensile strenght:	longitudinal: 0,31 MPa *	UNI EN ISO 1798
		transversal: 0,29 MPa *	
	Elongation at break:	longitudinal: 124,63% *	UNI EN ISO 1798
		transversal: 112,83% *	
	Deformation under compression force:	10%: 0,028 MPa *	UNI EN ISO 3386
		25%: 0,055 MPa *	
		50%: 0,164 MPa *	
	Water absorption:	2,0% *	UNI EN 12087
	Thermal conductivity λ_0 :	0,0320 W/mK *	UNI EN 12667
Dynamic stiffness s'_t :	11 MN/m ³	UNI EN 29052-1	
Impact sound insulation ΔL_w :	36 dB **	UNI EN ISO 140-7/8 UNI EN ISO 717-2	
Compressibility c:	2.45 mm	UNI EN ISO 12431	

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* Value based on EPE / ** Screed 5 cm - 100 kg/m².



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