

ACOUSTIC SOLUTION TO REDUCE AIRBORNE AND IMPACT NOISE FOR SUBFLOOR SYSTEMS

ENKASONIC® E10

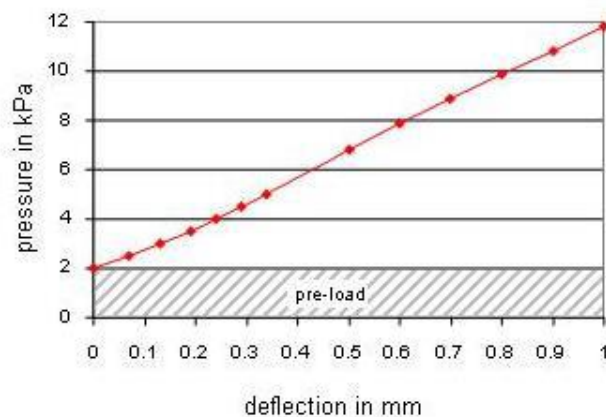
PRODUCT COMPOSITION | TREATMENT | SPECIAL CHARACTERISTICS

Enka-Sonic E10 sound control matting is a flexible matting made of a three-dimensional filament structure, provided on one side with a nonwoven filter fabric. The two components are thermally bonded together over the entire area. The three-dimensional structure is produced from polyamide 6 monofilaments, welded together where they cross. On one side the filter fabric extends 100 mm beyond the edge of the filament structure.

APPLICATION

Enka-Sonic E is used as sound control matting beneath ceramic tile, marble, wood vinyl or carpet flooring in both wood frame and concrete slab constructions. Because of its thin cross-section (10mm) Enka-Sonic E is ideal for both new constructions and retrofit. Enka-Sonic E will also contribute to the thermal insulation of the floor.

PROPERTIES	VALUE	TEST METHOD
Polymer	PA/ PET-PA	
Weight	g/m <sup>2</sup> 825	EN-ISO 9864
Thickness (2kPa)	mm 10	EN-ISO 9863-1
Tensile strength	kN/m 9	EN ISO 10319
Matting density	kg/m <sup>3</sup> 825	
Deflection under load	In a conditioned environment (20 °C, 65% RH), starting with a pre-load of 2 kPa (corresponding to the weight of a 80 mm concrete slab)	



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Working temperature	°C	-30 - +80
Free flowing space	%	90
UV stabilisers		carbon black and others
Reaction to fire		Euro class E EN 13501-1 / EN-ISO 11925-2

## DIMENSIONS AND WEIGHTS

Colour		Grey/Black	
Length x width	m	45 x 1.02	
Width of roll / diameter of roll	m	1.04 x 0.87	
Gross weight	kg	39	

## ACOUSTICAL PROPERTIES

Property	Institute	Standard	Result
Sound reduction	IfB, Switzerland	SIA 181, ISO 717-2	$\Delta L_{n,w} = 34$ dB
Sound reduction	WTCB, Belgium	ISO 717-2	$\Delta L_{n,w} = 26$ dB
Dynamic stiffness	WTCB, Belgium	ISO 9052-1	$s' = 30.1$ MN/m <sup>3</sup>
Impact Insulation Class	WTCB, Belgium	ASTM E-989	IIC 59

This is a technical disclaimer which is always located under a table. Average values, subject to normal production tolerances.

## STORAGE

Product should be stored in a dry, closed space between +5°C and +30°C. It should not be exposed to direct sunlight. When stored accordingly, the product quality will not change over a period of one year minimally.

## OTHER

A Freudenberg entity. For further information contact technical supporting department (+86 519 6858 5555). The TDS should not be considered as a specification. Please contact regional responsible people in order to set your own technical parameters.

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