



GUARDIAN INSULATION SOLUTIONS

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GUARDIAN 4 ACOUSTICS SOUND DAMPING MEMBRANE

G4A-SDM is a high density membrane manufactured from bitumen modified core with a self-adhesive backing used as an anti-resonant material, being a lead substitute.

Soundproofing reinforcement in drywall construction (plasterboard) and general walls and floor construction,

Also suitable as sound insulation and vibration reduction in metal structures.

As well as designed for various acoustic devices such as doors, screens, noise barriers, ducting and rain water noise.

Sizes available:

TECHNICAL DATA (taken as average against 6.5kg)	VALUE	UNIT	STANDARD
Thickness tolerance	<8	%	EN 823
Length and width tolerance	<6	%	EN 822
Nominal Mass	>7	kg/m ²	EN 1849-1
Tensile strength: longitudinal	205	N/5 cm	EN 12311-1
Tensile strength: transversal	180	N/5 cm	EN 12311-1
Resistance to tearing (nail shank)	180±50	KN/m	EN 12310-1
Dimensional stability at elevated temperature	stable	-	EN 1107-1
Reaction to fire	F	Euroclase	EN13501-1
Sound reduction index improvement between plasterboard, ΔR	4	dB	EN 140-16
Insulation improvement to 125 Hz (rigid elements)	>6	dB	EN 140-16
Insulation improvement to 125 Hz (like panel absorber)	>9	dB	EN 140-16

	SDM/35	SDM/65	SDM/100
THICKNESS (mm)	2	4	7
AVERAGE WEIGHT (kg/m ²)	3,5	6,5	10
SOUNDPROOFING (Rw;dB)	65	67	69
DIMENSIONS (m)	10 x 1	5,5 x 1	1,2 x 1
STORAGE : The material must be kept from weather			

