

General Information

Product Name: Dedmas™ Elite 40 Black SA

Product Description: Dedmas™ Elite has been designed to be a safe, non-staining and effective direct replacement to bitumen damping materials. This visco-elastic material is of a precisely known composition and is designed for damping applications where mass (acoustic insulation) and cost are key considerations. The performance over temperature is superior to bitumen over key service temperature areas. The product is a thermoplastic and so is fully recyclable. The product is available in rolls and press cut sheets. This SA version has a self-adhesive backing with a plastic polyolefin release liner.

Construction: Monolayer barrier with self-adhesive backing (plastic polyolefin release liner).

Application: Designed to replace bitumen damping materials in a safe manner and to give an equivalent or improved performance at a wider temperature range. Designed as a hybrid product with respect to acoustic and damping performance used in a wide range of applications such as automotive, machine housings and other applications where good damping performance is required. The barrier is normally fixed in intimate contact with the original panel using the pressure sensitive acrylic tape.

Technical Data

Description	Data	Unit	Tolerance	Test Method
Apparent Density	1780	Kg/m ³	+/- 10%	DIN EN 1602
Reaction to Fire	Pass	-	-	FMVSS 302
Nominal Weight	4.0	Kg/m ²	+10/- 10%	-
Nominal Thickness	2.25	mm	+20/- 10%	-
Strain at Break	20	%	Minimum	ISO 37:2011 (E)
Stress at Peak	4.0	N/mm ²	Minimum	ISO 37:2011 (E)
Durometer Hardness (Shore A)	95	-	Typical	Internal
Static Operating Temp Range	-10 – 95 (short exposure at extremes)	°C	-	Internal
Loss Factor, Oberst Beam Method (200 Hz 1 mm steel bar, 20 °C)	Composite = 0.15	-	-	ASTM E756
Colour	Black	-	-	-

Acoustic and Damping Data

