

General Information

Product Name: Dedpan® DS 2020 CL

Product Description: Dedpan® is a patented family of vibration damping materials which when applied to stiff metal, plastic panels or similar structures inhibits the build-up of resonant vibrations, dramatically reducing the levels of radiated noise. Included in this family is a range of specially developed visco-elastic damping sheets with exceptional damping performance to weight ratios. DS 2020 CL is a lightweight, self-adhesive (acrylic adhesive with a white polyolefin release liner) and a foil faced constraining layer.

Construction: Aluminium foil/damping sheet/acrylic self-adhesive backing.

Application: Dedpan® DS2020 CL has primarily been developed for use on automotive panels for damping of resonant vibrations but is also used for an extensive list of other applications including marine craft, household appliances, machine housings, and materials handling equipment. The product is highly conformable and provides a permanent bond to surfaces of almost any shape at any orientation. Surfaces must be clean and dry to accept the self-adhesive. An even pressure (roller or hand) should be applied to form a bond. A guide to application is available on request.

Technical Data

Description	Data	Unit	Tolerance	Test Method
Apparent Density	1850	Kg/m ³	+/- 10%	DIN EN 1602
Reaction to Fire	Pass	-	-	FMVSS 302
Nominal Weight	2.15	Kg/m ²	+/- 10%	-
Nominal Thickness	1.16	mm	+20/- 10%	-
Adhesive Peel Strength on Aluminium	15	N/25 mm	Minimum	Internal
Colour	Silver/White (Front/Back)	-	-	-

Damping Data

Determination of Loss Factor according to Volvo Standard 1024,1612	
Temperature (oC)	Dedpan® DS 2020 CL
0	0.14
10	0.20
23	0.14
40	0.07
60	0.04
Unit Mass (kg/m2)	1.80
Barrier (kg/m2)	1.80
Foil (kg/m2)	0.25
Adhesive (kg/m2)	0.10
Total Mass (kg/m2)	2.15

