

Acousteel Zintec Laminate

Description

Acousteel Zintec Laminate is a Zintec steel sheet designed to eliminate structure and airborne sound transfer through Constrained Layer Damping. Sizes vary from a standard 2000x1000 sheet at 1.4mm thk up to 3000x1250x4mm. This can also be supplied cut size.

Construction

Resin

Modified acrylic typified by a high initial tack, an excellent plasticizer resistance and high shear resistance.

Zintec DC01

EN10130 DC01+ZE25/25-AC (dry) CR4 based max yield 280N/MM², tensile of 270min-410N/MM² Max and an elongation of 28% over 80mm

Chemical comp – Carbon 12% max Manganese 60% max Phosphorous 0.45%max

Acoustic Properties

Noise damping properties vary with service temperature and vibration frequency. This intrinsic damping filters vibration along their propagation path and thus reduces noise reflected by the panel vibrating under structural loading or impact excitation. The loss factor measured by the Oberst method (ISO 6721) is 0.1 for Acousteel as against 0.001 for monolithic steel sheets.

For formed parts, a noise reduction ranging from 2 to 30 decibels can be achieved depending on shape excitation design etc.

Important - Information on the above characteristics is based upon the tests we believe are reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine prior to use the suitability of this material for their specific purposes.