



Cabin-to-Cabin noise:

Sound Insulation:

The acoustic insulation between accommodation spaces is at least to satisfy the requirements for weighted apparent sound insulation indexes as given below.

<i>Positions</i>	<i>$L_p + R_w'$ (dB)</i>
Cabin-to-Cabin (crew)	88
Cabin-to-Cabin (passenger)	90
Cabin to corridor	87
Cabin to stairways	100
Cabin to Engine Room	100
Cabin to Public spaces	100
Machinery / Technical spaces to passenger corridor	100

Note that the requirements are stated as the sum of the relevant noise criterion L_p and the weighted apparent sound insulation index. This has been done because a low background noise level will require a stricter requirement to sound insulation in order to achieve a satisfactory level of comfort.

For cabins in areas with a low background noise level (below 35 dB (A)) precautions shall be taken when a boundary of such a cabin is facing an entertainment area. For such cases a minimum weighted apparent sound insulation index of 75 dB is recommended. Care should also be exercised when mounting loudspeakers to the structure, so that noise transmission from the loudspeaker in the structure is avoided.

Impact sound insulation:

For passenger cabins the normalized impact sound pressure level is not to exceed 50 dB. For passenger cabins below areas with wooden deck, marble deck or similar hard deck covering materials, the above mentioned requirement may be relaxed to 60 dB due to structural limitations.

For passenger cabins located below dance floors, stages and gymnasiums, a normalized impact sound pressure level shall not exceed 45 dB.

Silent Line Engineering:

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