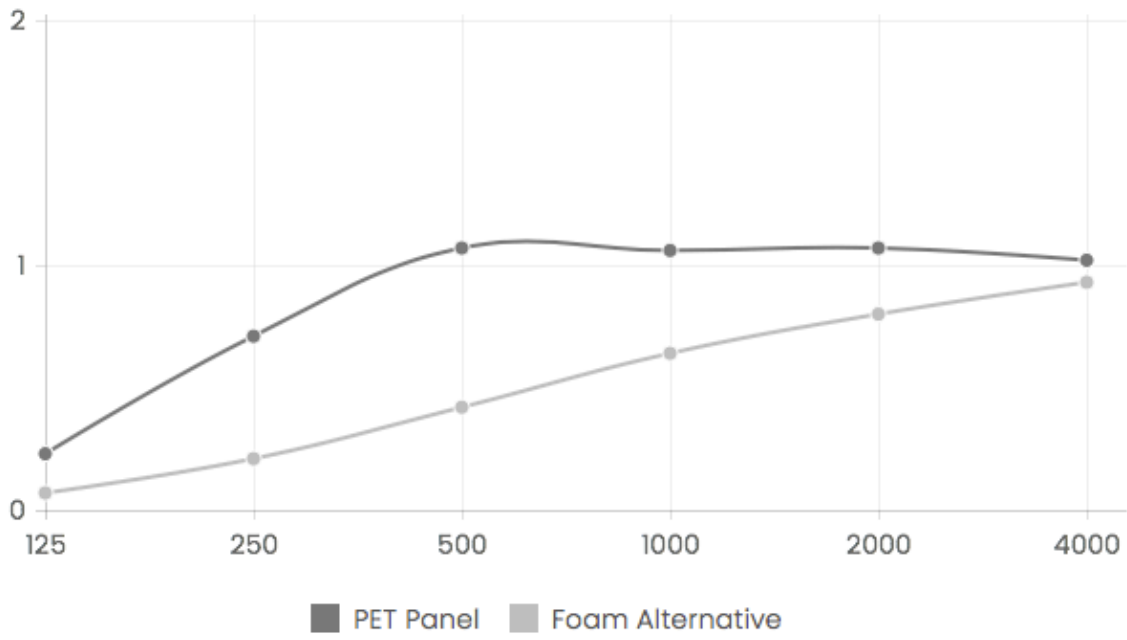


What is an NRC rating and what does it stand for?

A Noise Reduction Coefficient – commonly known as NRC – is a single number rating which represents the average of sound Absorption Coefficients of a material at specific mid-range frequencies (tested at 250, 500, 1,000, and 2,000 Hz octaves). The purpose of an NRC rating is to provide a simpler way to determine how well an acoustical product absorbs mid-range sound (generally thought of as the range of speech frequencies). NRC ratings vary from product to product and are affected by the type of absorbent material, its thickness, its density, and its mounting method.

By definition, the NRC rating is a mathematical coefficient and should range only from 0.0 to 1.0. A 0.0 rating might represent something like a smooth-finish concrete wall, where sound is completely reflected off the surface. A 1.0 rating might represent something like an open window, where all the sound passes through the window opening and doesn't reflect back into the space.

However, you may come across materials with NRC ratings higher than 1.0, which can be confusing. This doesn't mean that the material can absorb more sound than that arriving at the material; instead, it's an issue with the testing standards used to determine the NRC rating. The perimeter and thickness of the material being tested will cause an "edge effect" (diffraction), which can result in errors in the calculation used to arrive at the NRC rating, yielding results above 1.0.



NCC Rating Standard PET fiber akustikpanel,
120X60X5 cm
JBoStudio Sales