Sound Barrier Information:

Sound Barrier materials block noise. The Sound Barrier will effectively reduce the energy and volume of any sound created inside or outside of your house. For years, the common solution to noise reduction was the layering identical materials on top of each other. This method creates very little sound rejection at certain frequencies. Sound Barrier reduction materials offers high levels of sound attenuation by isolating noisy environments, minimizing resonance of surfaces and reduces exterior noise penetration. Sound Barrier is a limp, tough, high-temperature fused vinyl, loaded with non-lead fillers. It resists passage of sound waves and will reduce noise transmission.

NOTE: a 10 decibel noise reduction is cutting the perceivable noise volume in half and a 20 decibel noise reduction is cutting the volume in half twice.

Accoustic Transmission Loss (dB)

Sound Frequency (Hz)	125	250	500	1000	2000	4000
Sound Reduction (dB)	15	17	21	27	32	36

Hertz = measures the units of frequency
Decibels = measures the level or magnitude of the frequency

For example: If an activity produces a frequency of 125hz then a 15db noise reduction would occur using Sound Barrier. If an activity produces 500hz of noise then there would be a 21db reduction of noise.

So, the higher the frequency of noise that is created, the better the sound barrier performs. These reduction amounts are the minimum reductions if the material is used by itself. Installing the material on a wooden fence only improves the reduction.