



PRODUCT INFORMATION SHEET: SLP – SONIC PVP

Type:	Material:	Thickness:
SLP – SONIC PVP	Steel	1.6 – 6.2 mm
SLP – SONIC PVP	RVS	1.6 – 6.2 mm
SLP – SONIC PVP	Aluminium	2.1 – 6.2 mm



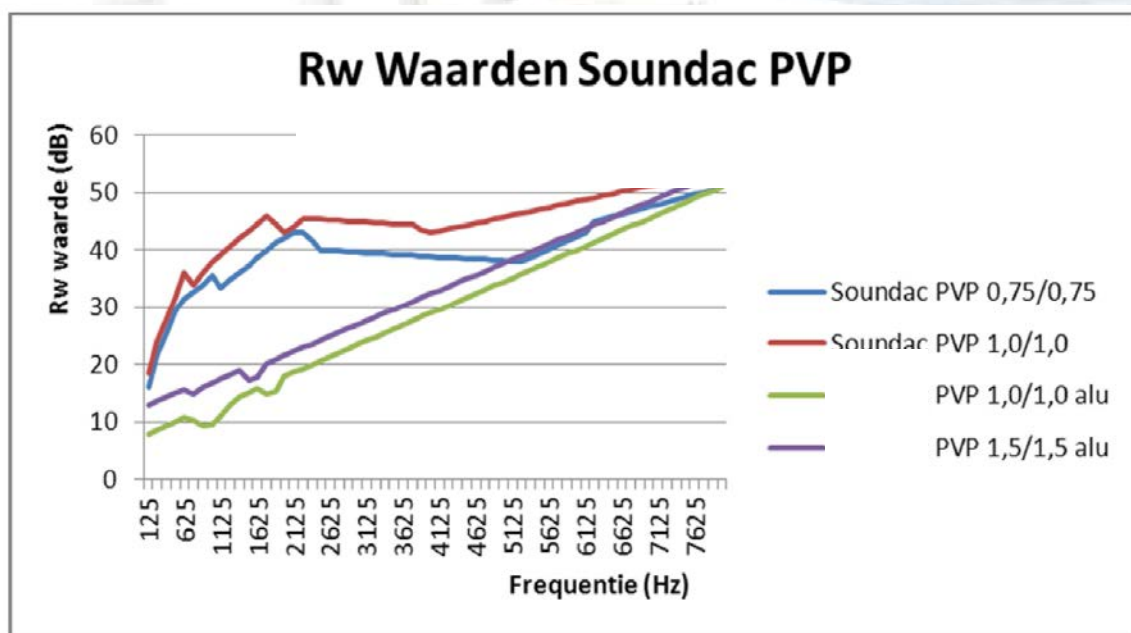
Description:

SLP- SONIC PVP is a sandwich metal sheet, designed to reduce vibrations and noise transmission in metal constructions. SLP-SONIC PVP consists of two metal sheets with a thin viscoelastic inner layer. The material operates on the constrained layer damping principle. When a sheet or structure made of SLP-SONIC PVP is caused to vibrate the shear forces in the constrained viscoelastic layer cause the vibration energy to be converted into heat.

Loss factor and Temperature:

Metal constructions normally have a very low loss factor (ability to convert vibration energy into heat) typically in the range of 0.001 – 0.01. The loss factor can be increased to 0.3 – 0.8 when using SLP-SONIC PVP. This in turn means that the amplitude of resonant vibrations occurring in the construction when it is subjected to structure- borne sound, will be much lower than for a standard metal construction.

The range of SLP-SONIC PVP can be supplied to give maximum damping at 20°C, 60°C and 80°C.



Silent Line Products:

For additional information please visit our website: www.silentlinegroup.com or contact us at sales@silentlinegroup.com