



Official MAGNETIC SHIELD CORPORATION Document

Why is CO-NETIC AA alloy offered in both Perfection Annealed and Stress Annealed types?

CO-NETIC AA alloy always requires a special annealing process to develop its full magnetic properties. If fabrication involves severe drawing, forming or welding operations, the properties of the alloy will be adversely affected, and annealing must be done after the manufacturing operations are complete. For such applications, CO-NETIC AA alloy Stress Annealed is offered. It has better formability characteristics and costs less.

If the application does not involve severe drawing, forming or welding, then CO-NETIC AA alloy Perfection Annealed may be used and the final annealing step may be avoided. This is because CO-NETIC AA alloy Perfection Annealed has been fully annealed before shipment and is ready to perform as a magnetic shield. CO-NETIC AA alloy Perfection Annealed has a large, open grain structure and must not be used when the shield fabrication involves severe drawing, forming or welding. CO-NETIC AA alloy Perfection Annealed is an economical choice for flat shields and some formed shields. Please [contact us](#) for help in determining which material is best for your specific application. All CO-NETIC AA alloy foil is Perfection Annealed.