

NanoGalv[®] Fasteners FAQs

NanoGalv[®] is a zinc-nickel nanolaminate technology that provides excellent corrosion resistance across a broad range of fastener applications.

Question

Answer

What is the thickness of NanoGalv[®]?

8 microns (0.3 mils) minimum per ASTM F1941

Do NanoGalv[®] nuts require overlap?

No overlap is required for thread fit. NanoGalv[®] fasteners achieve superior corrosion resistance at thickness within standard thread allowances.

What is the operating temperature for NanoGalv[®]?

-148F to 392F (-100C to 200C)

How does NanoGalv[®] stand up to installation tools such as impact wrenches?

NanoGalv[®] has excellent durability and is not damaged by standard installation tools or practices.

Is there risk of nuts seizing?

Laboratory and field testing has demonstrated significantly fewer or no issues with seizing compared to conventional methods.

Can NanoGalv[®] fasteners be re-used?

Yes, within standard installation practices. Durability after tightening is maintained and torque k-factor is consistent for multiple uses.

Is there risk of hydrogen embrittlement?

NanoGalv[®] application process is strictly controlled and meets ASTM F519 industry standard.

Is NanoGalv[®] compliant with industry adhesion standards?

NanoGalv[®] adhesion performance meets ASTM B571 standards and has been independently verified.

Which industries can benefit from the use of NanoGalv[®] fasteners to improve corrosion resistance?

NanoGalv[®] fasteners can be used across a broad range of industries including infrastructure, automotive, energy, and heavy equipment manufacturing.