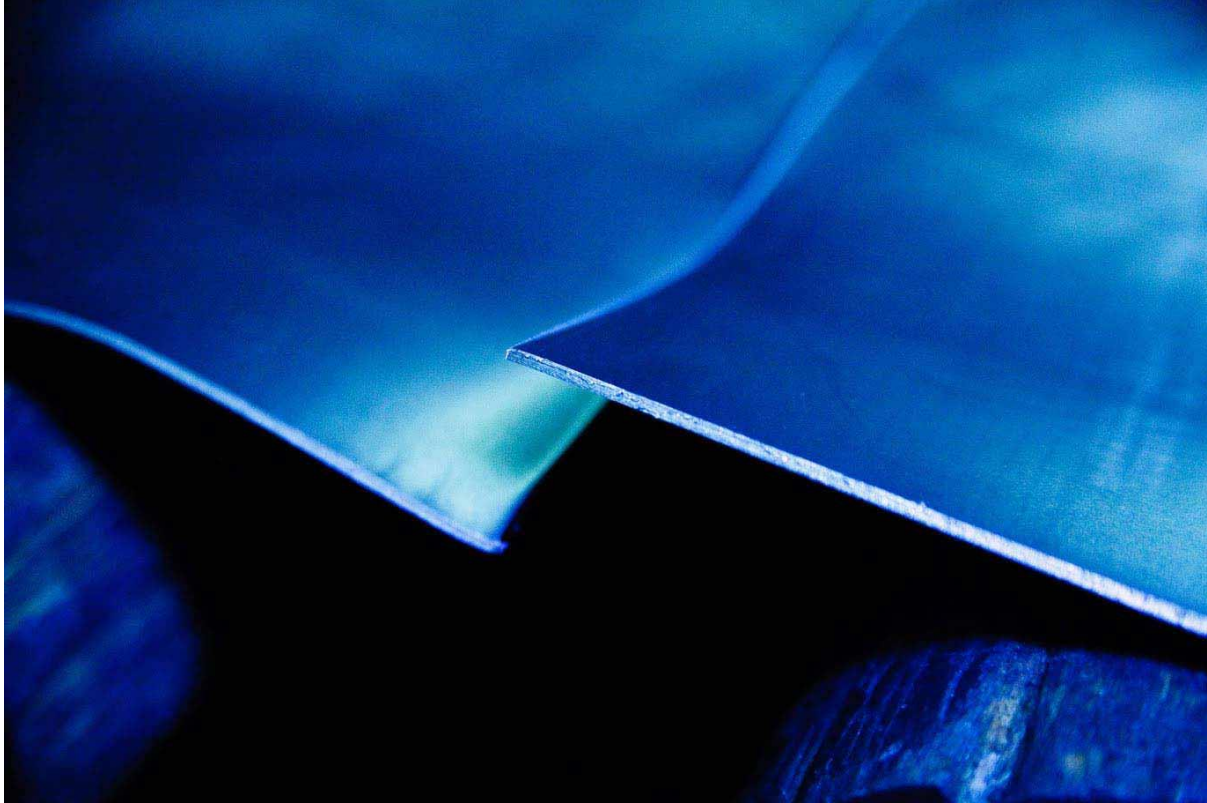




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Uses of Tin Metal Sheets in The Nuclear Industry



Tin is a highly malleable metal that melts easily and can be used for a variety of different applications, most notably in the nuclear industry. The nuclear industry depends on tin metal sheets when it comes to shielding gamma radiation. Nuclear testing facilities are often lined with tin metal to contain gamma radiation that could severely harm those working in the facility. Tin metal often comes in rolled sheets, plates, and foraging to line and insulate the gamma radiation within nuclear devices. Learn more about all the ways [tin metal sheets](#) are used in the nuclear industry.

Nuclear Vessels

Nuclear vessels will use galvanized sheet metal to contain a nuclear device within the rest of the vessel. The vessel will need to be manned by a number of personnel, and they will need to be protected from any radiation coming from the nuclear device. If the



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nuclear device is not properly shielded, the vessel's personal will be exposed to gamma radiation, which can cause deformities or aggressive forms of cancer. A nuclear vessel will typically use tin metal sheets around the nuclear device and throughout the vessel to limit radiation as much as possible.

Steam Generators

Steam generators convert water into steam from the heat that's produced by a nuclear reactor. These steam generators are often partially made using tin metal sheets that insulate the nuclear reactor from spreading gamma radiation throughout the facility.

Primary Pumps

Primary pumps are used to circulate coolant throughout a nuclear power generator to reduce the temperature of the nuclear reactor and the energy that it produces. Without these pumps, the nuclear reactor may overheat and cause the entire site to melt down. Tin sheet metal is used to line and protect the primary pump from gamma radiation.

Pressurizers

A pressurizer is used to keep the water or coolant in a nuclear reactor from boiling. The water needs to stay in a liquid form when the nuclear reactor is running. The pressurizer applies enough pressure to prevent the water from turning into steam. These pressurizers are typically made with tin metal to prevent the gamma radiation from spreading.

Those interested in learning more about galvanized sheet metal and its many uses in the nuclear industry can contact the professionals for more information. The company produces high-quality gamma shielding tin metal sheets that are rolled to customer specifications.



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