

Alloy Series	Major Alloying Constituents	Common Alloys in Series	Recommended Maximum Thickness for Hard Anodize	General Comments for Alloy Series
Poured Castings	silicon (Si)	319	0.0028"	Very porous. Poor choice when corrosion resistance is required.
		355	0.0028"	Not recommended for chemical brightening.
		356	0.0028"	Acid etch recommended to prevent smut.
		357	0.0028"	Dichromate seal not recommended.
		Almag		Coating builds faster on machined surfaces than on cast surfaces.
		Mic6		Variation in coating thickness measurement greater on cast surfaces.
		Tenzalloy		
Die cast	silicon (Si)	218		Poor choice when corrosion resistance is required. Not recommended for dye work or chemical brightening
		360	0.0004"	Acid etch recommended to prevent smut and produce uniform appearance for clear and black coatings. Dichromate seal not recommended.
		380	0.0004"	Higher thickness (0.0005) possible on machined surfaces. Coating builds faster on machined surfaces than on cast surfaces.
		390	0.0004"	Variation in coating thickness measurement greater on cast surfaces versus machined surfaces
		413	0.0004"	218 produces a coating comparable to wrought or sand cast alloys 0.0002" thickness achievable as cast 0.0005" thickness achievable machined.