
SURFACE PREPARATION

TIN

Degrease. Abrade with medium-grit emery paper. Degrease again.

TITANIUM

In general, an acid etch is the most effective surface treatment for titanium. Anodizing in 15% Sulfuric Acid or etching in hot Sulfuric Acid solution followed by cleaning in Alkanex detergent-sodium metasilicate solution produces good results. Still better results are obtained in the titanium surface is first plated with a metal such as aluminum or nickel.

WOOD

Remove any contaminating materials such as oil, rot, etc., with a sander, ax, or plane. Make certain the wood is dry. Smooth with sand-paper.

VISCOSITY CHART

VISCOSITY: A measure of the resistance of a fluid to flow (usually through a specific orifice).

THIXOTROPIC: Describes materials that are gel-like at rest but fluid when agitated

CENTIPOISE: Water is the standard at 1 cps.

MATERIAL	APPROXIMATE VISCOSITY (in centipoise)
Water @ 70 F	1 to 5
Blood or Kerosene	10
Anti-Freeze or Ethylene Glycol	15
Motor Oil SAE10 or Mazola Corn Oil	50 to 100
Motor Oil SAE30 or Maple Syrup	150 to 200
Motor Oil SAE40 or Castor Oil	250 to 500
Motor Oil SAE60 or Glycerin	1,000 to 2,000
Karo Corn Syrup or Honey	2,000 to 3,000
Blackstrap Molasses	5,000 to 10,000
Hershey Chocolate Syrup	10,000 to 25,0
Heinz Ketchup or French's Mustard	50,000 to 70,000
Tomato Paste or Peanut Butter	150,000 to 250,000
Crisco Shortening or Lard	1,000,000 to 2,000,000
Caulking Compound	5,000,000 to 10,000,000
Window Putty	100,000,000