

Technical Bulletin

TSC TINNING COMPOUND (PURE TIN)

DESCRIPTION

TSC Tinning Compound is the original fast acting tinning compound. This very dry, free flowing blend of powdered solder and special flux will cut through dirt, grease, oil, paint and rust when heated ensuring a clean surface before coating with solder.

TSC Tinning Compound has been specifically designed for the pretinning of Cast Iron, Steel, Bronze, and Copper bearing shells ensuring a uniform strong bond between the Babbitt alloy (white metal) and the bearing shell surface.

FEATURES & BENEFITS

- Highly reactive dry flux powder.
- Recommended for cast iron.
- Ideal for re-tinning bearing shells.
- Water washable flux residues.

APPLICATION METHODS

1. Pre-clean and degrease the bearing surface prior to tinning. Particular attention should be given to Cast Iron bearings to remove silica surface skins, graphite, and other residues that may impair adhesion.
2. Pre-heat the bearing shell to approximately 260-288°C using a blow torch or similar. Please note excessive heating of the surface may well cause flux charring and premature Tin oxidation on the intended surface
3. Then simply sprinkle the TSC Tinning Compound onto the bearing surface and vigorously wipe with a stainless steel wire brush or steel wool to yield a smooth, well-tinned surface to which Babbitt alloy (White Metal) will now readily bond.
4. The remaining Flux residues may well continue to be surface reactive but are readily soluble. Therefore, completely remove any remaining residues in warm soapy water, promptly prior to Babbitt (white metal) application.

HANDLING & STORAGE

Keep container lid tightly closed when not in use. Store in a cool, dry place away from heat. Shelf life of this product is 36 Months if container is unopened. Consult MSDS for additional handling procedures and precautions.

TECHNICAL SPECIFICATIONS

	Specifications
Appearance	Light, Silvery Grey free flowing powder
Water Solubility	Approximately 50%
Odour	None
Density	5.0 g/cm ³
pH Value	1.5 (in a 10% aqueous solution)

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PACKAGING

Supplied in 500g Tamper-proof Container.

HEALTH & SAFETY

During heating TSC Tinning compound will generate decomposition and reaction vapours. Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying Safety Data Sheet for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.

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