

The LAST Thing We Did Was Make It Stay On The Brush!

You would never buy a tinning paste simply because it packs the brush fuller and covers a larger area between dipping. But what if you could buy a tinning paste that **reflows easily** giving you a **better inter-metallic** bond and a **cleaner tinned surface**? What if you could buy a product that cleans before the solder melts and lifts dirt and deposits quickly?

Benchman PROTIN Tinning pastes offer all of these advantages!

- * **Fry Technology – Largest U.S. Solder Producer**
- * **Manufactured in our Ford Q-1 approved plant**
- * **Atomized Powder with a narrow size distribution**
- * **Cleans and Tins quicker and better**
- * **More Solder and Tin than other pastes**

Fry offers tin/lead PROTIN 40 and also lead-free PROTIN 97 in 6 pound and 15 pound tubs. Our paste stirs easily and stays in suspension longer. And just so you can get the job done quicker – the last thing we did was make it stay on the brush!

Benchman PROTIN Lead-Free and 40/60 Tinning Pastes

<u>Feature</u>	<u>Benefit</u>
1. Exceeds the properties of other tinning pastes	1. * Direct replacement * Superior performance
2. Packs the brush fuller, stays on longer	2. * Cover larger surface area * Less frequent dipping
3. Electronic grade, atomized powder, narrow size distribution	3. * Reflows more easily * Finer surface, less grain * Better intermetallic bond, cleaner tinned surface
4. Flux encapsulated solder powder	4. * Metal surface cleaned before the solder melts * Assured fluxing before reflow * Lifts dirt deposits quickly * Less stirring * Stays in suspension
5. Lead-free, Sn/Cu paste	5. * No lead exposure * Compatible with all leaded and lead-free solders * Reduce Solder Bloom, a corrosion reaction with lead
6. Manufactured at our Ford Q-1 Approved facility	6. Your satisfaction is guaranteed
7. The 40/60 paste has a lower melting point than the 97/3	7. * The PROTIN 40 will reflow sooner, at a lower temperature than the PROTIN 97 * The performance is the same

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PROTIN 40 & PROTIN 97

Tinning Paste

Benchman PROTIN Tinning Pastes have been developed to be the finest products of their type available for the Radiator Repair industry. PROTIN cleans the metal, prepares the surface and tins in the same step.

Benchman PROTIN contains solder powder, made by Fry in our Ford Q-1 approved plant, using the same exacting standards developed for the high tech electronics industry. This produces spherical particles and a tightly controlled mesh size which results in smoother re-flow and higher surface sheen.

Benchman PROTIN is blended by a proprietary process that coats each solder particle with solder fluxing agents assuring immediate and complete surface preparation prior to the solder melting.

Benchman PROTIN is available with the traditional 40/60 tin/lead alloy and also the NEW 97/3 tin/copper Lead-Free alloy. Both tinning pastes contain a higher metal load than any radiator repair paste.

- * **Benchman PROTIN 40** contains a powdered form of the same Fry 40/60 tin/lead alloy used by Radmen everywhere for repair and re-core work.
- * **Benchman PROTIN 97** is a 97/3 tin/copper Lead-Free paste that contains more tin and works at a lower temperature than standard lead-frees. *It has been reported that workers' blood lead levels have lowered after replacing leaded solder pastes and wires with lead-free products.*

By using **Benchman PROTIN 40** or **PROTIN 97** Tinning Pastes, you will save prep time, get better joints, prevent rework and avoid comebacks.

Directions for use:

1. Preheat the surface with a torch and apply PROTIN with an acid swab.
2. For small or hard to reach repairs, brush PROTIN on first, then apply heat.
CAUTION: As with all flux and solder products, the fumes produced while working are not healthy to breathe. Always use adequate ventilation.
3. Solder as usual. The improved surface treatment means that you will need less heat to flow the solder and seal the surface.
4. Rinse work well to remove all residual flux.

NOTICE: WE ARE REQUESTING YOUR HELP BY TELLING US HOW BENCHMAN PROTIN WORKED IN YOUR SHOP AND WHERE WE CAN IMPROVE IT.