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TECHNICAL DATA

E-Tec™ 520, E-Tec™ 520-C

Resin Solution and Wax Emulsion Corrosion Inhibitors and Coatings

E-Tec 520 & 520-C

Gloss Acrylic Lacquer Mildly alkaline water-based solution used to deposit a corrosion inhibiting, hard, clear, glossy dry finish. It is used on all bare metal surfaces and all types of conversion coatings, black oxide, antique/oxidized and phosphate finishes. **E-Tec 520-C** is utilized on copper and brass to enhance their corrosion resistance.

Thickness:	Approximately 0.09 mil
Coverage:	Approximately 2900 sq. ft./gallon
Approximate pH:	9.9 and should be maintained at 9.5 or above with periodic additions of ammonia
Flash Point:	None
Percentage Solids:	16.5%
Dry Time:	Approximately 10 minutes. Drying is accelerated with heated air or centrifuging
Dilution:	It is normally applied full strength, but may be diluted with up to an equal volume of water for a thinner film with reduced corrosion and abrasion resistance. Dilution changes the above characteristics.

Equipment Requirements

The **E-Tec** solutions may be contained in mild steel, stainless steel, rubber lined steel, polypropylene, polyethylene or fiber glass tanks. The tanks should be covered when not in use to prevent contamination and to minimize evaporation of water.

Application

The **E-Tec** solutions are normally applied by immersion at full strength. They may also be applied by spraying and by brush.

Parts may be wet from the preceding water rinse in the finishing process when immersed in the **E-Tec** solutions. However, care should be taken to not carry excess water into the **E-Tec** solutions. Therefore, let excess rinse water drain from the work prior to immersing in the solutions.

If the work is processed in baskets, it should be spun dried to accelerate drying and to prevent parts from sticking together. Centrifuging will reduce the thickness of the final finish and may necessitate two or more additional applications to obtain the desired thickness.

Racked parts may be allowed to air dry or forced hot air dried.

Solution Control

The concentration (solids) of the **E-Tec** solutions is maintained by determining the percentage weight solids by evaporating the water at 110°F from a weighed sample of the solutions. Specific gravity measurements may also be taken by means of a hydrometer in the proper range (1.0 to 1.05).

Small additions of the **E-Tec** concentrate should be made periodically to the working solutions. The square footage of work processed should be used as a guide following the approximate coverage figures listed above.

Caution

Protect eyes from solutions with glasses, goggles, or a face shield. In the event of contact, flush eyes thoroughly with water and obtain medical attention.

Removal of Finishes

The **E-Tec** coatings are easily removed in **EPi's** alkaline **E-Kleen** cleaning solutions.

Disposal

Spent **E-Tec** solutions can be discharged into the sewer after neutralizing to the pH required by local sanitary department.

Packaging

5 gallon and 55-gallon non-returnable containers.

IMPORTANT NOTICE! For Industrial Use Only

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: sellers and manufacturers only obligation shall be to replace such quantity of the product as proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. **Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential, arising out of the use or the inability to use the product.**

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