

URESOLVE BLUE & 411

Uresolve Blue is used for fast removal of urethanes utilized in the electronics industry. Uresolve 411 is a stronger version but it has the ability to attack vinyl insulation.

General

Uresolve Blue & 411 are alkaline solvents that will remove polyester urethanes from cable assemblies, aircraft electrical connectors, and electronic modules at room temperature. It can also be used for complete or partial removal of urethane-based conformal coatings from printed circuit boards. Uresolve Blue is the most selective alcohol-based solvent for dissolving urethanes. It is shelf stable and shows much less effect on PVC wire, neoprene, silicones, and other insulating materials than competitive solvents containing chlorinated solvents or acetone. Uresolve Blue was designed to meet the requirements of MIL R83213A, Type 1.

Applications

1. Recommended for applications where fast selective dissolving at room temperature is required and where a flammable solvent can be utilized. When a flammable solvent cannot be used, use Dynasolve 2000.
2. Can be used to reclaim cable assemblies, aircraft electrical connectors, and electronic modules.
3. Can be used for complete or partial removal of urethane-based conformal coatings on printed circuit boards. The report "Evaluation on Marine Instrumentation Printed Wire Assemblies" outlines the procedure used in removal of conformal coatings with Dynasolve 190. These same procedures are applicable to Uresolve Blue and Uresolve 411.
4. These materials will not attack aluminum or aluminum alloys (with the addition of ½% Ethyl Silicate), electroless nickel plate, gold plate, beryllium and beryllium alloys, carbon steel, nickel, stainless steel, chromium, copper, brass, or bronze.

Specifications

	<u>Uresolve Blue</u>	<u>Uresolve 411</u>
Color:	Blue	Blue
Specific Gravity:	0.84	0.89
Boiling Point:	149°F	149°F
Flash Point:	52°F(TCC)	54°F(TCC)

Directions For Use

1. For complete depotting: Immerse component in solvent until all urethane or sealant has dissolved. Time for removal varies with the type and amount of material being removed.
2. It has been found that the critical area in repairing cable assemblies and aircraft connectors is in restoring the electrical properties of the assembly. During the depotting operation, by-products formed have a tendency to be electrically conductive and therefore must be completely removed prior to repotting. These complex organic salts are most readily removed by washing in IPA. The wash cycle should consist of at least two rinses in IPA. The connectors or cable assemblies should not be allowed to dry after the depotting cycle since the residues and film become more difficult to remove. Should assembly dry prior to immersion in the IPA, it is recommended that it be returned to Uresolve Blue or 411, followed by immediate washing in IPA.
3. For removal of conformal coatings: Immerse the board in solution and cover the container to limit evaporation of the solvent. Thin coatings will require longer soaking. After coating is dissolved, wash in IPA. If a milky residue remains, dissolving action is not complete and the board should be immersed in the solution again.
4. For partial or spot removal, apply with brush or cotton pad. Both products are also available in a gel form for this application.
5. For removal of coatings from ceramic or metal substrates where heat can be tolerated and faster action is necessary, we recommend Dynasolve 750 & 711.

Caution and Warnings

Uresolve Blue & Uresolve 411 contain powerful organic solvents. They are harmful if inhaled or swallowed. Avoid breathing vapors or mist. Keep away from heat and flame. Avoid contact with eyes and skin. Wear gloves, safety goggles, and protective clothing when handling. Use with adequate ventilation. Refer to MSDS before use, for disposal, or additional safe handling.