



FAQ



Q Your Super Shield aerosol can is defective. It ‘fizzes’ from the nozzle area after I am done using it. Why is it doing that?”

A. It is uncommon but in some cases, the nickel flakes can jam the nozzle causing it to not fully shut after use. When this happens, the propellant pushes out the product which causes this ‘fizzing’ effect and the product to be wasted.

Prior to use, it is super important to shake the product at least 3 minutes by the clock once you hear the marble banging. Our nickel flake does settle to the bottom of the can over time, and must be emulsified well back into the coating or it will be lumpy and the product will not be effective. If these ‘chunks’ or ‘solids’ are pulled through the dip-tube inside the can up to the valve, they will not allow the valve to sit properly.

After each application, turn the can upside down and press the nozzle a couple of times to clear any product remain before sitting the can up right for storage.

Unfortunately, with the current nozzle technology and the nature of the product, there is not much we can do from a production stand point.

Q Why is your conformal coating not fully cured after 24 hours as stated in your specifications?

A. The misconception about conformal coatings is that the more you spray, the thicker the coating and the better the protection. The thickness part is true but what most end users try to do is get that thick finish in one application. In other words, they drench the board with the coating. When the coating is applied this thick in one application, the surface of the coating skins over, trapping the solvents underneath. This will cause it to not properly cure in the recommended time.

Conformal Coatings should be treated like a regular paint. You never want to apply the coating so thick that it sags or drips on a vertical surface. You have to MIST it over from 5 to 7 inches above the board and from all angles. If a thicker coating is required, wait 5 minutes to allow the solvent to escape and then mist over the board again. If a third or fourth coating is required, apply in this same manner after the initial coating is fully cured. When done this way, it will cure in recommended time.

Q How do I apply your Negative Dry Film without the air bubbles?

A. To reduce bubbles to an acceptable level during the laminating process, GRAB the two tail ends of the resist film (once rolling starts). One hand on the bottom left corner and one on bottom right corner. When you grab those two corners, give it some tension and lift it off the board a little WHILE it is being dragged in through the laminator.

REMEMBER, you only need to put it through the laminator ONCE. It may appear to have bubbles but it is just the protective film lifting off from the resist. Once you remove the protective film (just before exposure), the bubbles will be gone.

There still may be some bubbles in areas that are not desirable. If that is the case, use the following pen to touch over it. This pen works GREAT as an etch resist to protect the areas you do not want etched.

If you make a mistake and want to remove the resist, you may use our Resist Stripper (Cat. No. 4185-500ML) or an acetone based solvent (Cat. No. 435-55ML)

For complete instruction, please visit the TechSupport pages at www.mgchemicals.com.