

Do I need to clean off 'No Clean' flux residue before applying a conformal coating?

Yes.

It is true that the residue left behind from No Clean Flux is non corrosive and non conductive and will not harm your circuit; however, there is still residue. Conformal Coatings are very sensitive to surface cleanliness. If your surface is not free from all oils or residues, the result is uneven protection.

For details on how to remove the residue, refer to the following AppGuide,

<http://www.mgchemicals.com/downloads/appguide/appguide1205.pdf>



Types of Fluxes

Cat. No. 4140-400G

Fluxes fall into 2 categories rosin based, and so called water soluble (the flux itself is not water soluble however the residue left after soldering is). There are 2 important specifications for fluxes used in electronics, ANSI/IPC-SF- 818 and MIL-F-14256E.

ANSI/IPC-SF818 spells out 3 assembly classes, class 1 consumer products, class 2 general industrial, class 3 high reliability and military electronics. Both specifications are similar in terms of tests and test methods required to characterize flux and flux performance (see table 1), although there are some language differences.

E-mail info@mgchemicals.com
Phone 1-800-201-8822
1-604-888-3084
Fax 1-800-708-9888
1-604-888-7754



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