



# High-Performance Liquid Fluxes

## Advanced Wave Soldering Technology

With a variety of formulations for various wave soldering processes, **Multicore** brand high-performance liquid flux technology is compatible with dual-wave and Pb-free processes, delivering outstanding results. From no-clean to low residue to VOC-free, **Multicore** brand fluxes deliver unique properties for individualized manufacturing needs.



Excellence is our Passion



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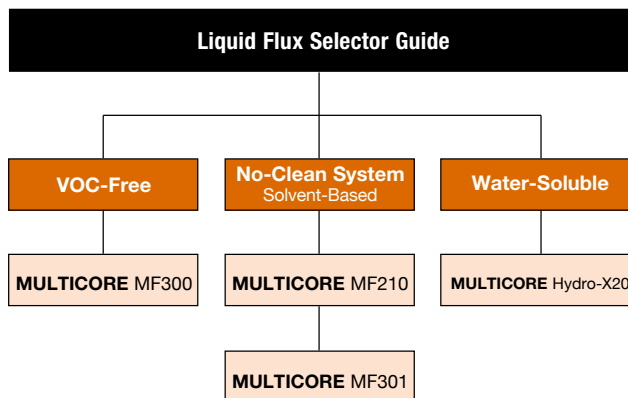
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## High Performance Liquid Fluxes

### Functions

- Remove oxides from the metalized surfaces
- Ensure reliable solder joint between component and pad



Multicore Liquid Fluxes	Benefits	% Solids	Acid Value	IPC Class	Application
<b>MF210</b> Solvent-Based	Dual wave soldering application. Can be used for spray or foam. Low residues, suitable for challenging oxidized surface finishes.	2.9	22.5	ORM0	Spray/Foam
<b>MF300</b> VOC-Free	No residues, pin testable, wide process window, spray and foam.	4.6	37	ROM0	Spray/Foam
<b>MFR301</b> Solvent-Based	More for commercial applications, pale amber residues, pin testable, wide process window, solderable onto many surfaces, suitable for SnPb and Pb-free.	6.5	41	ROM0	Spray/Foam
<b>Hydro-X20</b> Water-Based	Water washable, suitable for SnPb and Pb-free, suitable for hard to solder surface finishes (oxidized copper and nickel, for example.) Very wide process window, very good shelf life.	20	24	ORH1	Spray/Foam

Multicore Liquid Fluxes		Flux Application			Pre-Heat		Alloy		Electrical Reliability			
Flux Technology	Multicore Liquid Flux	Solids	Spray	Foam	IR	Convection	Selective Soldering	Pb-Free	IPC	Bellcore SIR	Bellcore Electromigration	Halide-Free
Alcohol-Based	<b>MF210</b>	Low	•	•	•	•	•	•	•	•	•	•
	<b>MF300</b>	Low	•	•	•	•	•	•	•	•	•	•
	<b>MFR301</b>	Low	•	•	•	•	•	•	•	•	•	•
Water-Based	<b>Hydro-X20</b>	High	•	•	•	•	•	•				



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