



PHOSPHATE CONVERSION COATINGS

IRON PHOSPHATES									
PRODUCT	L/P	CLEANER	ACTIVATOR	SALT SPRAY	SUBSTRATE METAL	FOR > THAN 10% ALUMINUM & ZINC ALLOYS	TEMP. (IMMERSION) (°F)	TEMP. (SPRAY) (°F)	FEATURES & APPLICATIONS
Immersion or Recirculated Spray									
COMPOUND LIP-2	L	●	Molybdate	◆	■	○	100-160	110-170	Economical workhorse
COMPOUND LIP-4A	L	●	Molybdate	◆	■	○	100-170	120-180	Improved detergency
COMPOUND LIP-4NT	L	●	Molybdate	◆	■	●	100-170	120-180	COMPOUND LIP-4A for multi-metal
COMPOUND LIP-6	L	●	Molybdate	◆	■	○	100-170	120-180	COMPOUND LIP-4A with less odor
COMPOUND LCP-60 ▼	L	●	Organic	◆◆	■	○	70-120	70-120	Ambient temperature
COMPOUND LCP-60-NDA ▼	L	○	Organic	◆◆	■	○	70-120	70-120	Ambient temperature
COMPOUND LCP-70 ▼	L	●	Organic	◆◆	■	●	70-120	70-120	Ambient temperature
COMPOUND LCP-70-NDA ▼	L	○	Organic	◆◆	■	●	70-120	70-120	Ambient temperature
DART 228 PLUS ▼	L	○	Chlorate	◆◆◆	■	●	140-180	120-180	Outstanding salt spray
FASTBOND CP ▼	L	●	Org/Chl	◆◆◆	■	○	100-160	100-160	Low temperature with outstanding salt spray
FASTBOND CP EXTRA ▼	L	○	Org/Chl	◆◆◆	■	●	100-160	100-160	Low temperature with outstanding salt spray
Wand Spray									
BLU-KOTE NR	L	●	Molybdate	◆	■	○	140-180	140-180	Economical
FASTBOND 516 ▼	L	●	Organic	◆◆	■	○	○	120-180	Improved cleaning & better salt spray
FASTBOND 33 ▼	L	●	Organic	◆◆	■	○	○	120-180	Lower usage pH

L Liquid
 P Powder
 ▼ Contains SARA 313 reportables
 ● Applicable
 ○ Not applicable

◆◆◆ Outstanding
 ◆◆ Excellent
 ◆ Good

■ Safe for use on ferrous, aluminum & zinc alloys at normal operating conditions
 □ Ferrous alloys only

Written data is for typical applications. Please consult your Madison Chemical Company representative for your specific application.

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ZINC PHOSPHATES							
Properly operated zinc phosphate should always provide superior salt spray performance compared to iron phosphate.							
PRODUCT	L/P	SOAK	RECIRC. SPRAY	ACCELERATOR	SUBSTRATE SAFETY	TEMP. (°F)	FEATURES & APPLICATIONS
COMPOUND Z-100	▼	L	●	●	Separate	■	135-160 Fine grain.
COMPOUND Z-115	▼	L	●	●	Separate	□	135-160 Non-nickel version of COMPOUND Z-100
COMPOUND ZC-16	▼	L	●	○	Self	■	170-200 Calcium modified.
COMPOUND ZC-16 REPLENISHER	▼	L	●	○	Self	■	170-200 Companion to COMPOUND ZC-16 .
DART 211	▼	L	●	○	Self	□	155-210 Heavy coating weights for rust prevention and Lubrication. "Phosphate & oil" operations.
Accelerator							
ADDITIVE GAL		L	●	Complex fluorides – for use on soft metals. Used in both iron and zinc phosphates.			
LIQUID N	▼	L	●	Sodium nitrite concentrate – usually for acceleration in zinc phosphates.			

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| <p>L Liquid</p> <p>P Powder</p> <p>▼ Contains SARA 313 reportables</p> <p>● Applicable</p> <p>○ Not applicable</p> | <p>◆◆◆ Outstanding</p> <p>◆◆ Excellent</p> <p>◆ Good</p> | <p>■ Safe for use on ferrous, aluminum & zinc alloys at normal operating conditions</p> <p>□ Ferrous alloys only</p> |
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Written data is for typical applications. Please consult your Madison Chemical Company representative for your specific application.