

## Luster-On Trivalent Blue Bright Chromates

<b>Chromate</b>	<b>Make-up</b>	<b>Protection</b>	<b>Chemistry</b>	<b>RoHS Compliant</b>	<b>Bakeable</b>	<b>Protection Loss</b>	<b>Zinc</b>	<b>Comments</b>
<b>Tri Blue 400T</b>	1-2%	8–16 hrs.	No Nitric No Fluoride	Yes	No	---	Alkaline	Offers better blue over alkaline
<b>Tri Blue 500</b>	1-2%	8-16 hrs.	No Nitric No Fluoride	Yes	No	—	Alkaline	Surfactant system lowers surface tension and improves wetting action
<b>Tri Blue 700</b>	2%	16-30 hrs.	Nitric / Fluoride Based	Yes	No	—	Acid or Alkaline	Typically offers long operating lifetime
<b>Tri Blue 800</b>	1-2%	16-30 hrs	Nitric / Fluoride Based – Chelated	Yes	No	—	Acid or Alkaline	Chelated version of TB 700
<b>Tri Blue 800 Plus</b>	1–2 %	24–48 hrs.	Cobalt Enriched Tri Blue 800	Yes	No	—	Acid or Alkaline	Addition of cobalt kicks up the level of protection
<b>Tri Blue 1000</b>	3-5%	24–36 hrs.	No Nitric No Fluoride Chelated	Yes	Yes	30–60%	Acid or Alkaline	Can be baked and remain blue and still offer some corrosion protection
<b>Tri Blue</b>	5-10%	12-24 hrs.	Nitric / Fluoride Based	Yes	Yes	60-80%	Acid or Alkaline	Steady-state chemistry provides day to day uniformity
<b>Tri Blue Plus</b>	5-10%	12-24 hrs.	Nitric / Fluoride Based – Chelated	Yes	Yes	10-20%	Acid or Alkaline	Bakeable version of TriBlue

Definitions:

Protection – to 1<sup>st</sup> sign of White Corrosion

Protection Loss – Decrease in Salt Spray protection after baking

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