

How to

GET A BRIGHT YELLOW CHROMATE *with* SUPERIOR CORROSION RESISTANCE

Switch to E-Chrome™ Ultra Yellow
High Salt Spray Resistant Trivalent Bright Yellow Chromate



**BRIGHT YELLOW
CHROMATE**
**OUTSTANDING
SALT SPRAY RESISTANCE**
**BAKEABLE FOR EVEN GREATER
CORROSION RESISTANCE
WITHOUT FADING**
NO TOP COAT NEEDED
EASY TO CONTROL AND USE
STABLE BATH WITH LONG LIFE
UTILIZES ONLY A SINGLE DIP

Tired of having to do multiple dips to achieve a bright yellow chromate and high salt spray resistance? Look no more! Now you can have it all with EPI's **E-Chrome™ Ultra Yellow**, the next generation yellow chromate.

Ultra Yellow gives you everything in one, easy-to-use formula. It meets all automotive and industrial standards for bright yellow trivalent chromate. Ultra Yellow is made for non-cyanide zinc plating and chloride zinc processes. Ultra Yellow is simple to control and can be used with automatic feeder equipment, boosting your productivity. As an additional benefit of this trivalent yellow chromate, it can be baked without fading the color while increasing the corrosion resistance to 300 hours salt spray.

All this, with a level of corrosion resistance second to none, at a fair price!

**Start taking advantage of
E-Chrome™ Ultra Yellow today!**

Send sample parts for plating.
Call 262-786-9330 or
e-mail moreinfo@epi.com
to request a test solution,
develop a pilot line, or
for a trial and approval installation.

EChrome™ Ultra Yellow

E-Chrome Ultra Yellow is a single-dip, yellow trivalent chromate that offers high salt spray resistance on zinc-plated surfaces of up to 150 hours to white rust versus only 96 hours salt spray resistance with hexavalent, per ASTM B-117. Resistance to red rust is typically 240 hours, depending on zinc plate thickness. No additional top coat is required to obtain this high degree of corrosion resistance. Baking the parts at 350° to 400° F for 4-24 hours results in the highest corrosion protection of up to 300 hours salt spray resistance. This gives you significant savings, because it eliminates the costs of having to chromate after baking. E-Chrome Ultra Yellow produces a beautiful bright yellow trivalent chromate.



- Produces a true yellow conversion coating on plated alkaline cyanide, non-cyanide as well as chloride zinc deposits.
- Environmentally friendly.
- Competitively priced.
- RoHS compliant.

E-Chrome™ Ultra Yellow has many benefits:

- Bright yellow trivalent chromate.
- High corrosion resistance.
- Bakeable — without fading.
- Single dip.
- Easy to control — operator friendly.
- Stable bath with long life.
- Utilize for both rack and barrel chromating.
- Can be used with automatic feeder equipment.



BATH MAKE-UP

E-Chrome Ultra Yellow A
E-Chrome Ultra Yellow B

OPTIMUM
3% by volume
2% by volume

RANGE
2-3% by volume
1-3% by volume

OPERATING CONDITIONS

pH*:	OPTIMUM 1.8	RANGE 1.65-2.0
TEMPERATURE:	120° F (54° C)	90°-150° F (32°-66° C)
TIME:	1 minute	30 seconds-5 minutes
AGITATION:	Air agitation may be helpful in rack situations	

*Lower pH with Nitric Acid; raise pH with Ammonium Hydroxide

Step by Step Application

Chromating on zinc-plated surfaces with E-Chrome Ultra Yellow is accomplished as follows:

1. Zinc plated surfaces. The brightness of the final finish will be directly related to the brightness of the plated surfaces.
2. Cold water rinse
3. 1% by volume Sulfuric Acid or Nitric Acid rinse to neutralize residual plating solution
4. Cold water rinse
5. Immersion in E-Chrome Ultra Yellow solution for the length of time required to produce the desired finish
6. Cold water rinse
7. Hot Air Dry — 150° F

Call or e-mail for more info:
262-786-9330
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CAUTION: E-Chrome Ultra Yellow contains nitric acid. The Material Safety Data Sheet for E-Chrome Ultra Yellow must be read and understood before working with this product.

IMPORTANT NOTICE! For Industrial Use Only

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: seller's and manufacturer's only obligation shall be to replace such quantity of the product as proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. **Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential, arising out of the use or the inability to use the product.**