



Prodigy Skybrite Xtender | Post-Chromate Sealer | H000965

Prodigy Skybrite Xtender is an aqueous based dip sealer for chromated zinc plated parts. **Prodigy Skybrite Xtender** is specifically designed to extend corrosion resistance through unique passivate-interface sealing. It will provide 500 hours or more of salt spray protection to red rust (with 0.5 mils zinc thickness) over ELV-type Passivates, and over 150 hours to less than 5% white corrosion when used after the trivalent chromates **Prodigy Skybrite 100**.

FEATURES AND BENEFITS

1. Used as a final rinse, so no additional equipment required
2. Low viscosity and produces very thin coatings so it is suitable for both rack and barrel operations.
3. Formulated to seal yellow chromates without leaching color from the parts.

OPERATING PARAMETERS

4. 3-5% by volume
5. 70-100°F
6. pH 6-8
7. 30-90 seconds

Typical Operating Cycle

1. Pre-treatment
2. Rinse
3. Alkaline or Chloride Zinc
4. Rinse
5. Chromate (clear or yellow)
6. Rinse
7. **Prodigy Skybrite Xtender**
8. Dry

SOLUTION MAKE-UP

1. 3-5 gallons per 100 gallons of working volume.

ANALYSIS METHOD

Drag-out Determination

Contact your Haviland Products Company representative to determine the addition requirements for your particular plating operation.

EVALUATION OF PRODIGY SKYBRITE XTENDER

- Determination of proper coverage is done by a 3% (wt/vol) Lead Acetate Drop test.

1. Prepare 3% Lead Acetate Solution
2. Place on or two drops on a part that has been sealed with **Prodigy Skybrite Xtender** AND one that has not.
3. Record the time after the drop(s) is applied.
4. Observe the time that it takes to turn dark under the drop(s). Parts immersed in **Prodigy Skybrite Xtender** should take approximately twice as long to turn dark as the parts not sealed.

• Typical times to Failure (minutes)

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|-------------------------------|---------|
| 1. Blue Chromate only | 1-2 min |
| 2. Yellow/ELV Chromate only | 2-4 min |
| 3. Blue Chromate + seal | >4 min |
| 4. Yellow/ELV Chromate + seal | >6 min |

SAFETY INFORMATION

- Follow MSDS / SDS / MDS information.

STORAGE

- Store in cool, dry location. Do not allow to freeze. Typical shelf life of 1 year following shipment.

WASTE DISPOSAL

- Follow all federal, state and local requirements.

NON-WARRANTY

The data contained in this bulletin is believed by HAVILAND PRODUCTS COMPANY to be accurate and complete. Since final methods of use of these products are in the hands of the customer and beyond our control, we cannot guarantee that the customer will obtain the results described in this bulletin nor can we assume any responsibility for the use of this product by the customer in any process which may infringe the patents of third parties.