



A Division of Kingscote Chemicals

## ALUMINUM ANODIZING PRODUCTS

FAST BRONZE E-L

ITEM # 505340

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### TECHNICAL DATA BULLETIN

**Appearance:** Red-brown powder

**Description:** Bright Dyes® Fast Bronze E-L is a popular bronze dye which is not recommended for outdoor use or prolonged UV exposure. Anodized parts colored in this dye will result in a range of bronze-to-brown shades, depending upon concentration and coating thickness.

#### Operating Parameters

Tank:	Polypropylene, plastic, or stainless steel
Water type:	Deionized or reverse osmosis preferred
Concentration:	1 – 4 g/L
Buffering:	0.25 – 0.50% Bright Dyes® 6000 Liquid Buffer
pH:	5.5 – 6.5 (Raise with ammonium hydroxide, lower with acetic acid)
Temperature:	110 – 140° F
Time:	4 – 10 minutes
Other:	Agitation recommended to maintain uniform bath temperature Rinse parts thoroughly before dyeing to avoid drag-in

#### Recommended Sealing Methods

- Bright Dyes® HT-70
- Bright Dyes® MT-90

**Light Fastness:** 5 – 6

#### Storage and Safety

- Store in a cool, dry location; avoid moist environments
- May cause irritation and some staining if allowed to contact skin. The use of gloves and goggles is recommended when handling this product. Consult the MSDS for more information.

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