



## Aluminium Red 3DLN

(Technical Data Sheet)

Aluminium Red 3DLN is a bright red dye, available in powder form, having fast striking on aluminum, which is distinguished by outstanding fastness to light, weather and heat. This dye can be used for thinner coating to get the desired shade. Due to high concentration of dye the consumption is much lower cost of red anodizing of aluminum. It assures uniform level dyeing on anodized aluminum and gives good fastness.

### Chemical Properties:

Physical Form	: Dry Powder
Appearance	: Dark Red Powder
Chemical Class	: azo dye.
Solubility	: > 70 g/l @ 60 C <sup>o</sup>
Light Fastness	: excellent
Heat Fastness	:

### Anodizing Recommendation:

Coating Thickness	: 10-25 microns
Concentration	: 8-10 grams/l
Temperatures	: 55 – 60 C
pH	: 5.5 +- 0.5
Buffer	: The bath must be buffered with 8 g/l sodium acetate tri hydrate 0.4 ml/l acetic acid for pH 5.5
Time	: 5-10 Minutes.

**Water Quality:** Preferably de-ionized. Dyeing is also possible in tap water, but this can reduce the service life of dye bath

**Sealing Methods:** Hot sealing is preferred.

### Disposal of spent dye bath.

Spent dye bath must be disposed of as per local law.

### Note :

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