Colorants® Chem Pvt Ltd
A Division of Colors & Chemicals.

Aluminium Copper Brown ALN

(Technical Data Sheet)

Alfast Brown SW 5802 is a copper dye in powder form and gives fast striking copper to brownish shade on aluminium, which is distinguished by outstanding fastness to light, weather and heat. This dye can be used for thinner coating to get the desired shade. This product assures uniform level dyeing on anodized aluminium and gives good fastness.

Chemical Properties:

Physical Form	: Dry Powder
Appearance	: Brown Powder
Chemical Class	: Metalized zo dye.
Solubility	: >70 g/l @ 60 C^0
Light Fatness	: excellent
Heat Fastness	: excellent

Anodizing Recommendation:

Coating Thickness	: 15-20 microns
Concentration	: 5-8 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 as per local law. Since this is metal complex dye containing chromium.

Note :

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