



Aluminium Yellow 3BLN (Technical Data Sheet)

Aluminium Yellow3BLN is a standard dye for quality in the finishing of aluminum products generally architectural aluminums in production of golden yellow shades. The technical data sheet contains recommendations covering the optimum condition of application and the upkeep of the dye bath. This dye is found in powder form and, is used mainly for the production of golden shades

Chemical Properties:

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|----------------|----------------------|
| Physical Form | : Dry Powder |
| Appearance | : Dark Yellow Powder |
| Chemical Class | : Metalized dye. |
| Solubility | : > 65 g/l @ 60 C |
| Light Fatness | : 6 |
| Heat Fastness | : Good |

Anodizing recommendation:

Applicable conditions are as:

| | |
|-------------------|--|
| Coating Thickness | : 10-25 microns |
| Concentration | : 5 g/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 | : 10-15 Minute. |
| Water Quality | : preferably de –ionized; dyeing is also possible in tap water, but this can reduce the service life of dye bath |

Setting of dye bath: We recommend to dissolve the dyestuff in demineralized water. Tap water is suitable as well, but the bath stability can be reduced.

pH of the dye bath:It is advisable to correct the pH of dye bath by acetic acid with suitable buffer like sodium acetate.

Sealing: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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