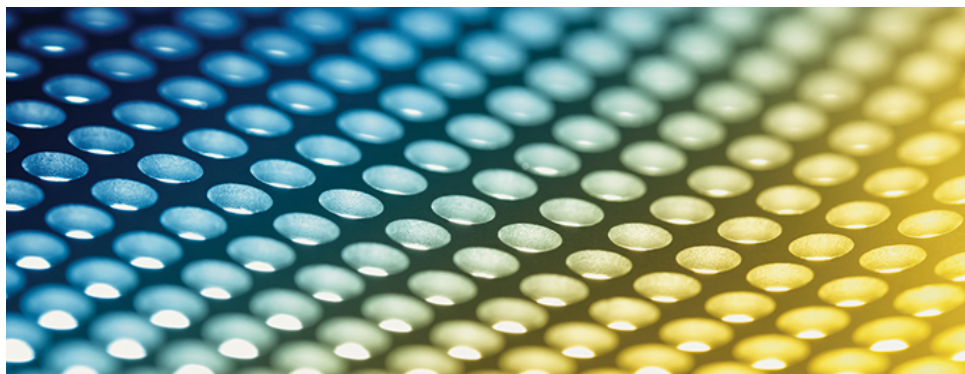


SANODURE® FAST BRONZE L



HOMOGENEOUS, WATER SOLUBLE DYESTUFF FOR THE ADSORPTIVE DYEING OF ANODIZED ALUMINUM

The main applications for Sanodure Fast Bronze L are:

- Indoor
- Jewellery

Only recommended for interior use.

1. DYE-SPECIFIC DATA

Commercial form:	Fine powder, yellow-brown
Chemical character:	Azo-dyestuff, metal complex
Density:	500 g/l
Solubility in water:	100 g/l at 20 °C
Storage stability:	10 years
Ecotoxicological data:	See safety data sheet

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2. APPLICATION CONDITIONS

Concentration, dyeing temperature and time

	CONCENTRATION g/l	DYEING TEMPERATURE °C	DYEING TIME min
Bright shades	0.05-0.2	25-60	10-20
Medium shades	0.3-0.5	25-60	10-20
Dark shades	1.0-3.0	25-60	20-30

pH: 5.5 ± 0.5

Buffer: The dyebaths are preferably buffered with
8 g/l sodium acetate trihydrate
0.4 ml/l acetic acid, pH 5.6

Water quality: Preferably deionized

Sealing: Preferably with Anodal® ASL
(one or two stage)

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3. SETTING THE DYE BATH

When setting the dyebath care must be taken that the dyestuff is well dissolved. Dissolve the dye preferably with hot water (80 °C) in a separate container (approx. 5 parts water to 1 part dye). Then this mother solution will be added to the dyebath while stirring.

4. LIGHT FASTNESS OF THE DYEINGS

Light fastness of dark dyeings (12 µm): Note 7-8 (ISO 2135)

5. SPECIAL REMARKS

- The dyestuff very yielding
- Unsealed dyeing can be stripped with diluted nitric acid (30 %) or sulfuric acid (0.5 %)

- The dyebaths are sensitive to sulphate and aluminum; anodized objects should therefore be rinsed thoroughly before dyeing
- Prevention of mould formation:
We recommend the addition of a suitable antimicrobial product

6. DISPOSAL OF THE DYEBATHS

Spent dye baths can be readily precipitated with Anodal WT-1 Liquid. The method is described in detail in the technical information bulletin for Anodal WT-1 Liquid.

The table below shows the additions required for precipitating Sanodure Fast Bronze L.

PRECIPITATION METHOD	FeCl ₃ , 40 % ml/g dye	ETCHING LYE ml/g dye	ANODAL WT-1 LIQUID ml/g dye	RESIDUAL DYE IN THE FILTRATE mg/l	RESIDUAL Cu IN THE FILTRATE mg/l
A	5.0	–	0.3	~ 3	~ 0.05
B	5.0	–	0.3	4	~ 0.06
C	–	5.0	0.6	~ 5	~ 0.1

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