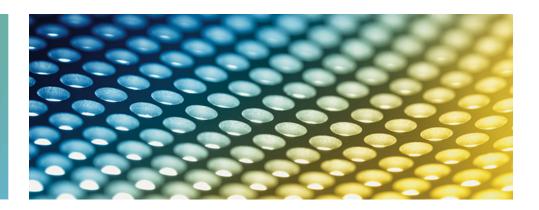
Product Sheet



SANODURE® BRONZE 2LW



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

Only recommended for interior use.

1. DYE-SPECIFIC DATA

Commercial form: Fine granules

Chemical character: Azo-dyestuff, heavy metal complex

Density: 600 g/l

Solubility in water: 5 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 DYEING TEMPERATURE		DYEING TIME	
	g/l	°C	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 DYEBATH

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 (ISO 2135)

5. SPECIAL REMARKS

- The dyestuff is very yielding
- Unsealed dyeings are virtually unstrippable in diluted nitric or sulpuric acid. They can be stripped in nitric acid 10 % + potassium permanganate 5 %. After the treatment in potassium permanganate, neutralization must be carried out for 1-5 min in a sodium bisulphite 5 % solution.



- The dyebaths are sensitive to sulphate and aluminum; anodized objects should therefore be rinsed thoroughly before dyeing
- The best dyebath stability is achieved by:
 - cold dyeing (20-25 °C)
 - a pH not below 5.5
 - a high concentration (1-3 g/l)
- Water sealing lightens the dyeing and it becomes slightly yellower
- Prevention of mould formation:
 We recommend the addition of a suitable antimicrobial product

6. DISPOSAL OF THE DYEBATHS

Spent dyebaths 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 Bronze 2LW.

PRECIPI- TATION METHOD	FeCI ₃ , 40 %	ETCHING LYE	ANODAL WT-1 LIQUID	RESIDUAL DYE IN THE FILTRATE	RESIDUAL CR IN THE FILTRATE
	ml/g dye	ml/g dye	ml/g dye	mg/l	mg/l
A	2.0	_	1.0	< 0.5	< 0.05
В	2.0	_	1.0	~ 1	< 0.05
С	_	2.0	1.5	< 0.5	< 0.05

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