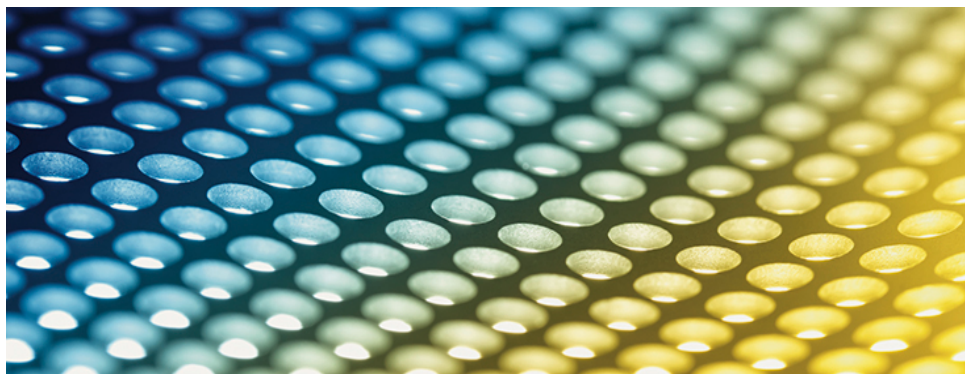


SANODURE® FIERY RED ML



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

The main applications for Sanodure Fiery Red ML are:

- Indoor
- Intense red shades, especially for signs

Only recommended for interior use.

1. DYE-SPECIFIC DATA

Commercial form:	Fine granules
Chemical character:	Mixture of two azo dyes, i.e. one containing heavy metals and one unmetallized
Density:	600 g/l
Solubility in water:	75 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	0.3-0.8	25-60	10-20
Dark shades	1.0-5.0	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 6-7 (ISO 2135)

5. SPECIAL REMARKS

- Unsealed dyeing can be stripped with nitric acid
- The dye can be shaded towards blue with Sanodure Bordeaux RL and towards yellow with Sanodye Red RLW

- 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 Fiery Red ML.

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 Cr IN THE FILTRATE mg/l
A	2.0	–	0.7	~ 1	< 0.05
B	2.0	–	0.7	~ 1	< 0.05
C	–	2.0	1.2	~ 4	~ 0.05

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