



Sanodal[®] Red B3LW

Sanodal Red B3LW is a homogeneous, water-soluble dye which is distinguished by high fastness to light, weather and heat.

Sanodal Red B3LW is suitable for interior and exterior architectural purposes.

1. Dye-specific data

Commercial form:	red powder
Chemical character:	azo dye, heavy metal complex
Bulking volume:	600 g/l
Solubility in water:	150 g/l at 20°C
Storage stability:	virtually unlimited, store containers closed tightly
Ecotoxicological data:	see Safety Data Sheet.

2. Application conditions

	Concentration	Dyeing temperature	Dyeing time
Standard coating thickness (12 µm)	0.05 - 5 g/l	25 - 60°C	10 - 20 min
Sanodal coating thickness (25 µm)	4 - 5 g/l	55 - 60°C	30 - 45 min

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 Sealing Salt ASL (one or two stage).

3. Preparation of the dyebath

When preparing the dyebath care must be taken that the dye is well dissolved. The dye can be dissolved in deionized water (80 – 90°C) in a separate container (5 parts water to 1 part dye). This stock solution is then stirred into the dyebath.

4. Lightfastness of the dyeings

Sanodal Red B3LW is distinguished by outstanding lightfastness.

Lightfastness of **Sanodal** dyeings: rating > 9 (ISO 2135).

5. Special remarks

- Unsealed dyeing can be stripped with diluted nitric acid (30 %).
The best results concerning stripping will be achieved with nitric acid 10 % + potassium permanganate 5 %.
- The dyebaths are sensitive to sulphate and aluminium; anodized objects should therefore be rinsed thoroughly before dyeing.

6. Disposal of the dyebaths

Spent dyebaths must be disposed of; e.g. with **Anodal WT-1 Liquid**. The precipitation method is described in detail in the Technical Information bulletin for **Anodal WT-1 Liquid**.

The table below shows the additions required for precipitating **Sanodal Red B3LW**.

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	Copper content in the filtrate mg/l
A	4.0	-	0.4	< 1	< 0.2
B	4.0	-	0.4	~ 1.5	< 0.2
C	-	4.0	0.8	~ 80	~ 5.5

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The information and recommendations presented here were compiled with the utmost care, but cannot be extended to cover every possible case. They are intended to serve as non-binding guidelines and must be adapted to the prevailing conditions.