



Sanodal[®] Orange 3LW Liquid

Sanodal Orange 3LW Liquid is a homogeneous, water-soluble dye which is distinguished by high fastness to light, weather and heat.

Sanodal Orange 3LW Liquid is suitable for interior and exterior architectural purposes.

1. Dye-specific data

Commercial form:	orange liquid
Chemical character:	azo dye, heavy metal complex
Density:	1100 g/l
Solubility in water:	unlimited
Storage stability:	at least 1 year, 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 - 3 g/l	25 - 60°C	10 - 20 min
Sanodal coating thickness (25 µm)	2 - 3 g/l	25 - 35°C	45 - 60 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 for pH 5.6
Water quality:	preferably deionized
Sealing:	preferably with Sealing Salt ASL (one or two stage).

3. Preparation of the dyebath

As the dye is available in dissolved form the dyebath can be prepared and reinforced by simple addition.

4. Lightfastness of the dyeings

Sanodal Orange 3LW Liquid is distinguished by outstanding lightfastness.

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

5. Special remarks

- Unsealed dyeing can be stripped with nitric acid.
- 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 Orange 3LW Liquid**.

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	Chrome content in the filtrate mg/l
A	5.0	-	0.8	~ 2	< 0.05
B	5.0	-	0.8	~ 2	< 0.05
C	-	8.0	0.8	~ 20	< 0.20

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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.