



## **Sanodal<sup>®</sup> Black 2LW**

**Sanodal Black 2LW** is a homogeneous, water-soluble dye which is distinguished by high fastness to light, weather and heat.

**Sanodal Black 2LW** is suitable for interior and exterior architectural purposes.

## 1. Dye-specific data

Commercial form:	fine black powder
Shade:	bluish black; at low concentrations bluish grey shades
Chemical character:	azo dye, heavy metal complex
Bulking volume:	800 g/l
Solubility in water:	50 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
<b>Grey shades</b> Standard coating thickness (12 µm)	0,1 – 10 g/l	25 – 60°C	10 – 20 min
<b>Black dyeings</b> Standard coating thickness (12 µm)	10 g/l	55 – 60°C	15 – 20 min
<b>Sanodal layers</b> (25µm)	10 g/l	55 – 60°C	30 – 40 min

pH:	4,4 ± 0,4
Water quality:	preferably deionized
Sealing:	preferably with <b>Sealing Salt ASL</b> (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 Black 2LW** 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 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 Black 2LW**.

Precipitation method	FeCl <sub>3</sub> 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	1,8	-	0,8	< 1	< 0,05
B	1,8	-	0,8	< 1	< 0,05
C	-	1,8	0,8	< 1	< 0,05

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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.