



## **Sanodal<sup>®</sup> Turquoise PLW Liquid**

**Sanodal Turquoise PLW Liquid** is a homogeneous **chloride and sulphate-free** dye which is distinguished by outstanding fastness to light, weather and heat.

**Sanodal Turquoise PLW Liquid** is suitable for interior and exterior architectural purposes.

## 1. Dye-specific data

Commercial form	dark blue liquid
Shade	turquoise
Chemical character	phthalocyanine dye, heavy metal complex
Density	1110 g/l
Solubility in water	unlimited
Storage stability	at least 1 year in closed containers between 0°C and 50°C
Ecotoxicological data	see Safety Data Sheet.

## 2. Application conditions

	Concentration	Dyeing temperature	Dyeing time
Standard coating thickness (12 µm)	0.05 - 5 g/l	55 - 60°C	10 - 20 min
Sanodal coating thickness (25 µm)	5 - 6 g/l	55 - 60°C	30 - 45 min

pH 5.5 ± 0.5

Buffer The dyebaths have to be buffered with  
8 g/l sodium acetate trihydrate  
+ 0.4 ml/l acetic acid for pH 5.6  
**or**  
5 g/l ammonium acetate  
+ 0.5 ml/l acetic acid for pH 5.6

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 Turquoise PLW Liquid** is distinguished by outstanding lightfastness.

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

## 5. Special remarks

- Unsealed dyeings are virtually unstrippable in diluted nitric or sulphuric 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 aluminium; anodized objects should therefore be rinsed thoroughly before dyeing.
- *Shading:*  
With the exception of exterior building elements, the dye can be applied together with **Sanodal Yellow 3GL** and **Sanodal Yellow S3LW Liquid** for green shades.

## 6. Disposal of spent 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**.

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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.