



## AURO COLOURS FOR LIFE

### Clear lacquer, matt No. 518

*Technical Data Sheet*

#### Type of material

- Environment friendly, water-thinnable transparent wood finish for interior use, based on the binding agent Decovery®.
- Solvent-free, without wood preservative.
- Consistently ecological choice of raw materials.

#### Intended purpose

- As transparent coating for wood and wood-based materials, non-rusting metals, certain plastics or tiles.
- Only for interior surfaces, apply at least two coats with approximately 0,06 to 0,09 l per m<sup>2</sup>.

#### Technical properties

- Tested according to DIN EN 71, part 3, "safe for toys" and to DIN 53160, "saliva- and perspiration-proof".
- Abrasion class 1 according to EN 13300

#### Composition

Water, Decovery®, silicic acid, cellulose, surfactants made of rapeseed oil and castor oil, silicates, liquid ammonia, Benzisothiazolinon, sodium pyrithione. Current full declaration on [www.auro.de/en](http://www.auro.de/en). Information for allergy sufferers on 0531-28141-0.

#### Colour shade

Transparent, light honey shade

**Please note:** The paint appears milky in the can but dries up transparently.

#### Application method

Brushing, rolling (synthetic or mixed-fibre brushes, fine-pore foam rollers, short-pile finishing rollers). AURO offers an assortment of high-grade tools.

The Clear lacquer No. 518 can also be applied by spraying (high pressure, mist-reduced, airmix). Tested with Wagner SF23Plus and pistol Vector Grip. Nozzle type FineFinish TT3, nozzle size 410, gun filter red. Spray pressure 100 bar.

#### Drying time at 23°C/ 50% relative humidity

Dust dries after approximately 2 hours, workable after approximately 6 hours, curing time approximately 24 hours.

**Density:** 1.02 g/cm<sup>3</sup>

**Viscosity:** about 30-60 seconds (DIN 6 mm) at 20 °C.

**Thinner:** Product is ready for use, thinnable with max 10 % water.

#### Consumption rate:

0.06 – 0.09 l/m<sup>2</sup> per coat, corresponds to approx. 70-90 µm wet layer, on smooth, evenly absorbent substrates.

Consumption rates depend on substrate, processing method, surface quality. Determine exact consumption on sample.

#### Cleaning of tools:

Immediately after use remove product residues from the tools by brushing out and wash with water. Remove stubborn product residues by soaking the tools for longer periods in soap solution (AURO Plant Soap No. 411\*) and wash thoroughly with water.

**Storage stability:** At 18° C in unopened original container: 24 months.

**Packaging material:** Tinplate.

#### Disposal:

Return completely emptied containers for recycling. Only dried product residues can be disposed of as dried paint or with the household waste. Liquid residues: EWC code 080120, designation: paints, lacquers.

#### Attention

Product code: BSW10, coating materials, water-based, low in preservatives. Use protective glasses and A2/P2 combination filter when spraying. Avoid eating, drinking and smoking while using the paint. In case of contact with eyes or skin, rinse immediately with plenty of water. Do not allow to enter drains, waterways or soil. Observe the information on the safe handling of the product, on labelling and hazardous substances contained in the Safety Data Sheet (download from [www.auro.de/en](http://www.auro.de/en)) and on the product label.

**Hazard class:** Does not apply.

**EU VOC value** according to 2004/42/EC II A (dWb): 130 g/l (2010). Product VOC: <= 1 g/l.

**AURO No. 518**

Aqua

# Technical recommendations for application

## AURO COLOURS FOR LIFE Clear lacquer, matt No. 518

### 1. SUBSTRATE

**1.1 Suitable substrates:** interior wood, wood-based materials, veneered surfaces, metals e.g. textured sheets or aluminium profiles, non-rusting metals can be coated directly. Certain plastics can also be coated, especially polar plastics such as PA, PET or PVC, tiles are also possible. Preliminary tests can identify release agents or incompatibilities. Not for floors or wood that comes into contact with the soil.

**1.2 General substrate requirements:** The substrate must be clean, firm, free of separating or bleeding substances.

### 2. COATING SYSTEM (UNTREATED WOOD, WOOD-BASED MATERIALS)

#### 2.1 Substrate preparation

Round off edges, clean the substrate, roughen (wear a dust mask), remove dust thoroughly. For high-quality surfaces on smooth woods, first wet with sponge, allow to dry, sand finely with the grain, brush out pores, remove all dust and clean. Use only rust-free grinding agents. Wood rich in active substances and resin, tropical woods: wash with alcohol thinner and repeat fine sanding. Remove any substances that come out of the wood such as resin or resin galls; remove damaged wood; seal open wood composites. Wood based materials: seal off the edges watertight.

#### 2.2 Basic treatment

Test woods rich in ingredients and resins, e.g., larch, for drying problems by applying a test coat! If no problems occur, treat directly with AURO Clear lacquer glossy No. 518, material can be diluted with water up to max. 10%. Other woods are primed with the clear lacquer glossy no. 518 itself, diluted with up to max. 10 % water.

#### 2.3 Intermediate treatment

Fill and level damaged spots with a suited filler. Apply 1 coat of AURO COLOURS FOR LIFE Clear lacquer No. 518.

#### 2.4 Final treatment

Add at least one more coat of AURO COLOURS FOR LIFE Clear lacquer No. 518. Between coats, fine sanding (220 grit or grinding pad) is recommended, depending on the substrate and surface quality. Be careful not to damage edges and remove all dust thoroughly.

### 3. COATING SYSTEM (RENOVATION)

#### 3.1 Type of surface: greyed or damaged old coatings (repair)

##### 3.1.1 Substrate preparation

Test substrates, old coatings on adhesion and compatibility. Remove non-adhering or unsuitable old coatings, e.g. greyed or heavily weathered old coats, completely, to expose the firm wood structure.

##### 3.1.2 Subsequent treatment

New coating sequence as described under item 2.

#### 3.2 Type of surface: intact old coating (maintenance)

##### 3.2.1 Substrate preparation

Clean the substrate thoroughly, roughen (wear a dust mask), remove dust.

##### 3.2.2 Basic treatment

Does not apply on intact, adhesive surfaces

##### 3.2.3. Subsequent treatment

As described under items 2.3 and 2.4.

### 4. CLEANING AND CARE

Either clean surfaces with lukewarm water only or use AURO Paint and stain cleaner No. 435\*. Do not use alkaline solutions (e.g., ammonia or soap solutions), strongly abrasive scouring or cleaning agents, microfibre etc.

#### PLEASE NOTE

- Check substrate on suitability and compatibility prior to paint application.
- If a thorough surface check cannot be carried out, remove old coatings down to the bare wood or the intact substrate.
- Stir well before use.
- Avoid exposure to direct sunlight, moisture and dirt during processing and drying time.
- Minimum processing temperature: 10°C, max. 30°C, max. 85% rel. humidity; optimal is 20-23 °C at 50-65% rel. air humidity.
- Wood moisture content max. 12% in hardwood 15% in softwood
- Carry out follow-up coatings promptly after drying, following the recommended coating system.
- Do not expose unfinished coats to weather for longer periods.
- The gloss degree can vary depending on the wood type. It may also be reduced through long-term use.
- Only use sealants and adhesive tapes that are compatible with the product.
- All coating work must be adapted to the given object and its use. In particular, see Technical Guidelines No. 20 of the BFS (Federal Paint and Property Protection Committee).

\* See respective Technical Data Sheets.

The Technical Data Sheet gives recommendations and examples of possible use. No liability or other legal responsibility can be derived. Use of the advice does not create any legal relationship. The information provided is based on our present knowledge and does not exempt the user from his personal responsibility. The respective state-of-the-art practices must be observed when implementing coating work and the required preparations. The conditions on site and the product's suitability must be checked appropriately and professionally. With publication of a new edition this technical data sheet is no longer valid. Status: 01.02.2024