AURO COLOURS FOR LIFE

Satin paint No. 517

Type of material
- Environment friendly, water-thinnable opaque wood finish based on the binding agent Decovery®.
- Available in white (517-90) and nearly 800 more colours for interior and exterior use.
- Medium gloss, solvent-free, without wood preservative.
- Consistently ecological choice of raw materials.

Intended purpose
- As opaque finish on wood, wood-based materials and iron parts, for interior and exterior use.
- The necessary layer thickness and full colour effect are achieved with at least two coats with approximately 0,06 to 0,09 l per m².

Technical properties
- Tested according to DIN EN 71, part 3, "safe for toys".
- Tested according to DIN 53160, "saliva- and perspiration-proof".
- Values according to EN 13300: Abrasion class 1, Opacity class 1 at a consumption of about 0.08 l/m² (corresponds to 12.5 m²/l).
- Degree of gloss (approximate values): 5 at 20°, 30 at 60° and 55 at 85° measuring angle. These values relate to the white Satin paint No. 517-90, the gloss degrees of the nearly 800 COLOURS FOR LIFE shades depend on the selected colour shade.

Composition
Water, Decovery®, titanium dioxide, mineral pigments, silicic acid, cellulose, surfactants made of rapeseed oil and castor oil, silicates, liquid ammonia, benzylisothiazolinone, sodium pyrithione. Current full declaration on www.auro.com.

Colour shade
Available in nearly 800 shades displayed in the COLOURS FOR LIFE colour tone fan and on www.auro.de/en. The colour effect can vary depending on the type of wood (woodgrain) or substrate condition, therefore we recommend a representative test coating before application on large areas. After application, claims based on colour tone variations cannot be accepted.
Due to technical reasons, minor deviations in colour tone can occur between mixtures of the same colour tone on different machine types. For paint mixtures in the COLOURS FOR LIFE system, the Technical Guidelines No. 25 of the BFS (Federal Paint and Property Protection Committee) apply.

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 Satin paint No. 517 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 dry after approximately 2 hours, workable after approximately 6 hours, curing time approximately 24 hours.

Density: 1.02 - 1.30 g/cm³, depending on colour shade.

Thinner: Product is ready for use, thinnable with max 5 % water.

Consumption rate: 0.06 – 0.09 l/m² 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. Observe standard protective measures, e.g. provide for sufficient skin protection and ventilation during the application. 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.com) 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.

Technical recommendations for application
AURO COLOURS FOR LIFE Satin paint No. 517

1. SUBSTRATE

1.1 Suitable substrates: For wood, wood-based materials and iron parts, interior and exterior. Iron parts only after priming with rust protection primer. Can also be used as radiator paint up to 70°C. **Not suited** for floors and for wood with soil contact. Also **not suited** for level surfaces durably exposed to water or surfaces under strong mechanical load (constructive wood protection).

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:
Wood types rich in active substances have to be primed with AURO COLOURS FOR LIFE Paint primer No. 510*, for example:
- Wood rich in tanning substances (e.g. oak, chestnut, framire etc.) to prevent drying delays
- Wood with bleeding or staining contents, especially before light-coloured or white coatings
- Wood treated with boron salt or boiler pressure impregnated wood to prevent efflorescence.
Other wood types can be primed with AURO COLOURS FOR LIFE Gloss paint No. 516 itself, diluted with 5% of water.

2.3 Intermediate treatment: Fill and level damaged spots with a suited filler. Apply 1 coat of AURO COLOURS FOR LIFE Satin paint No. 517.

2.4 Final treatment: Add at least one more coat of AURO COLOURS FOR LIFE Satin paint No. 517. 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 (UNTREATED IRON PARTS)

3.1 Substrate preparation: Iron parts that are not factory-primed: Clean the surface and remove rust down to blank metal with a wire brush or by sanding (60-120 grit). Remove dust. Do not use rust converters.

3.2 Basic treatment: Prime with 1 even coat of AURO COLOURS FOR LIFE Rust protection primer No. 519* After drying, it is recommended to sand finely (220 grit or grinding pad); do not damage edges; remove dust.

3.3 Final treatment: Apply 2 coats of AURO COLOURS FOR LIFE Satin paint No. 517. Repeat coating, if necessary, to achieve the requested colour effect and surface quality.

4. COATING SYSTEM (RENOVATION)

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

4.1.1 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.

4.1.2 Subsequent treatment: New coating sequence as described under item 2.

4.2 Type of surface: intact old coating (maintenance)

4.2.1 Substrate preparation: Clean the substrate thoroughly, roughen (wear a dust mask), remove dust.

4.2.2 Basic treatment: Does not apply on intact, adhesive surfaces

4.2.3. Subsequent treatment: As described under items 2.3 and 2.4.

5. 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

- Stir well before use. Slight variations or gradual lowering of gloss degree do not represent a product defect; the same applies for colour shade deviations of different production batches. 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.
- 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, following the recommended coating system.
- Do not expose unfinished coats to weather for longer periods.
- Surfaces must be checked at least once a year and defects be repaired immediately to provide for durable protection. Timely maintenance and repair provide for longer durability.
- Only use sealants and adhesive tapes that are compatible with the product. On windows and doors, the same coating sequence should be applied. Check the sealing of the glass and renew if necessary. Let the coating dry through completely before the windows are closed.
- All coating work must be adapted to the given object and its use. In particular, see Technical Guidelines No. 20, No. 26 of the BFS (Federal Paint and Property Protection Committee).

* See respective Technical Data Sheets.