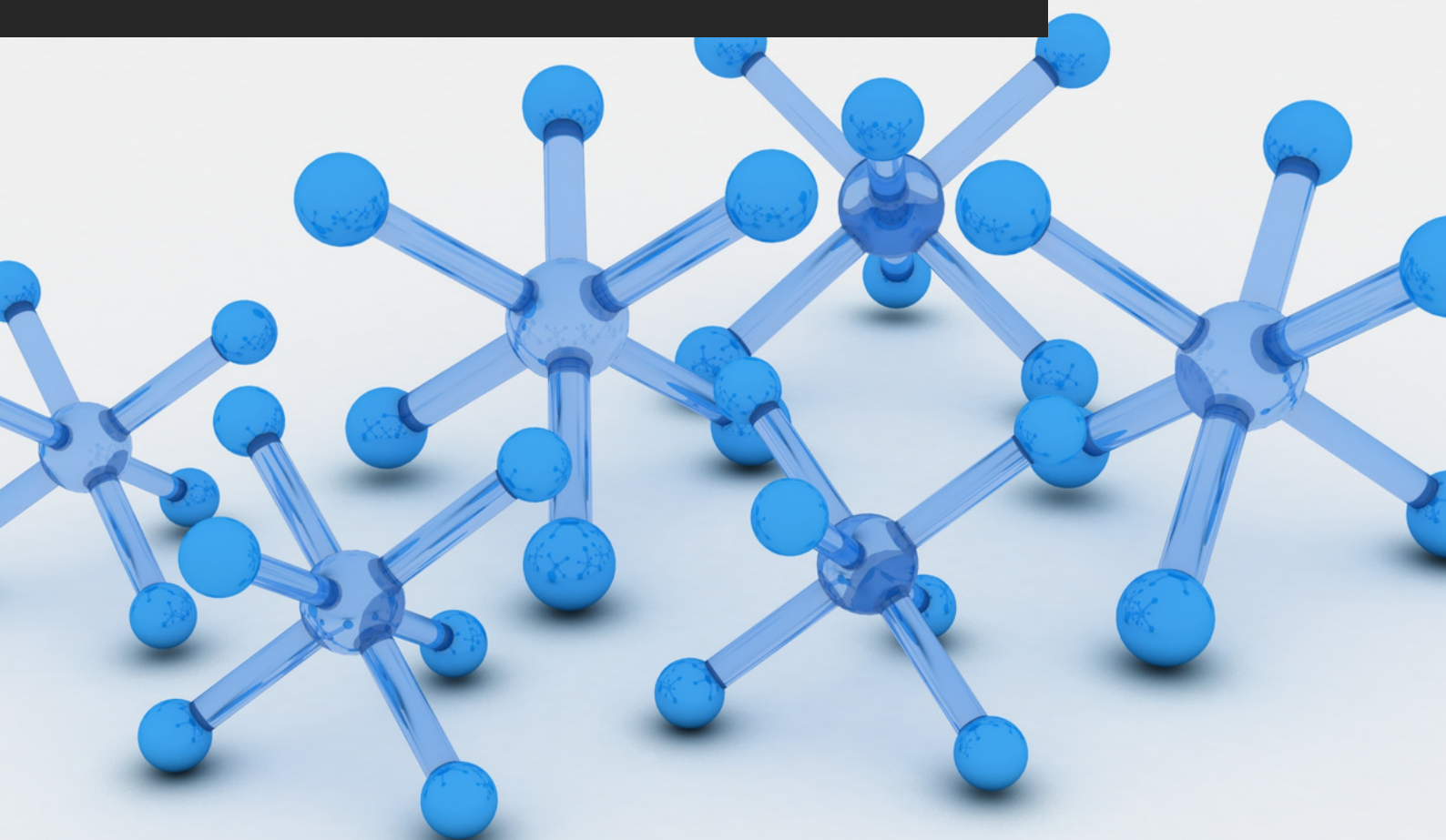


# TDS\_111

## WOOD STAIN MICRO

TECHNICAL DATA SHEET  
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Wood Stain Micro\_TDS\_111\_2025\_v1.0\_EN

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more about our products  
[akteonpaints.com](https://akteonpaints.com)

For further information:  
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# WOOD STAIN MICRO

Advanced micro-technology varnish suitable for hard wood.

**Main Features:**

- 1. Micro-technology resin system engineered for deep penetration into dense hardwood fibers.
- 2. Excellent adhesion on oily, resinous, or exotic woods where conventional varnishes fail.
- 3. UV-resistant formula reduces graying, fading, and surface degradation.
- 4. Enhances the natural color, grain, and richness of hardwood species.
- 5. High durability against weather, humidity, and frequent wet-dry cycles.
- 6. Breathable micro-film prevents peeling and blistering.

**Applications:**

- 1. Hardwood like **Cumaru, Iroko, Bangkirai, Teak, Chestnut** and **Mahogany**.
- 2. Garden and outdoor structures such as pergolas, fences, railings, and benches.
- 3. Exterior hardwood cladding and high-end façade elements.
- 4. Hardwood furniture exposed to exterior weathering.
- 5. Balcony floors and verandas made from tropical hardwoods.
- 6. Poolside or moisture-exposed hardwood installations.

**Technical Specifications & Typical Values**

|                                                           |                                                                          |
|-----------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Binder Type</b>                                        | Acrylic                                                                  |
| <b>Colour</b>                                             | Available in <b>clear</b> (varnish) state and <b>28 natural shades</b> . |
| <b>Diluent</b>                                            | Water                                                                    |
| <b>Density at 22°C (ISO 2811)</b>                         | 1.04 Kg/L                                                                |
| <b>Solids %w/w</b>                                        | ~ 42 % *                                                                 |
| <b>VOC (2004/42/EC)</b>                                   | 117 g/L – (A/i/SB) One-pack performance coatings - VOC compliant         |
| <b>Dry film thickness (2 coats) (ASTM D6132-13(2017))</b> | 10 µm                                                                    |

\*depending on the tinting base

\*\*depending on surface absorption, tinting base & application method

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## Technical Specifications & Typical Values

|                                 |                                                                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Method</b>                   | Paint brush, roller or spray gun                                                                                                               |
| <b>Coverage per coat</b>        | 8-10 sqm/L **                                                                                                                                  |
| <b>Recoatability</b>            | 4-6 hours                                                                                                                                      |
| <b>Shelf life</b>               | 12-24 months                                                                                                                                   |
| <b>Touch Dry Time at 22°C</b>   | 20-40 min                                                                                                                                      |
| <b>Dry Through Time at 22°C</b> | 4-6 hours                                                                                                                                      |
| <b>Ambient air temperature</b>  | min. +10°C / max. +40°C                                                                                                                        |
| <b>Relative air humidity</b>    | 55-60 % max.                                                                                                                                   |
| <b>Curing time</b>              | Note: Times are approximate and will be affected by changing ambient and substrate conditions, particularly temperature and relative humidity. |

\*Depending on the tinting base

\*\*Depending on surface absorption, tinting base & application method

\*\*\*Drying times are temperature, humidity, and film thickness dependent

## TECHNICAL DATA SHEET

# WOOD STAIN MICRO

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### **WOOD STAIN MICRO preparation:**

#### **Substrate quality & preparation:**

1. The substrate must be cured, solid, clean, dry and free of all contaminants such as dust, dirt, oil, grease, surface treatments, etc.

#### **Preparation before usage:**

In general use dilute with water by 10%

In the case of spray gun application, dilute with water by 10%

#### **Important application remarks:**

1. Untreated substrate defects could lead to reflective coating defects and reduced performance.
2. Tool cleaning right after use with soap and water, always following the local HSE rules.

#### **Packaging:**

Metal can of:

**0.75-L**

**2.5-L**

**10-L**

#### **Storage:**

Shelf life: 12-24 months from the date of production, in original unopened packaging in a cool and dry condition between +5°C and +35°C. Protect from direct sunlight, heat, temperature extremes, and moisture. Failure to comply with the recommended storage conditions may result in premature deterioration of the product packaging and which may cause inconsistent workability, finish and cure times of the material.

#### **Health, Safety & Environment:**

Read the product label carefully before use. The Technical Data Sheet should be read in conjunction with the Safety Data Sheet.

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## Paint System

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Contact Akteon Paints for case-by-case recommendations at: [contact@akteonpaints.com](mailto:contact@akteonpaints.com) or visit [www.akteonpaints.com](http://www.akteonpaints.com)

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