

CEDRIA Nano Deck Flooring

Technical Sheet

Garden Range

Product Description

Wood stain based on NANO particle resins. Recommended for all types of decking. Also available in a neutral, NON-SLIP version for decking where this is required.

Properties

- Innovative formulation that offers resistance even to salt water.
- Also usable on decking which requires NON-SLIP performance even on wet floors. CEDRIA NANO DECK FLOORING neutral NON-SLIP classified as Class 3 (Slip resistance, Rd > 45) according to UNE-ENV 12633: 2003, Annex A (APPLUS report nº 10/1998-3525).
- It contains broad spectrum biocides to protect the film against fungal attacks and provide an effective film protection
- Excellent resistance to weathering.
- Extends maintenance intervals.
- Environmentally friendly.

Recommended Uses

Recommended for all types of wooden decking from softwoods to tropical woods. Exterior - Interior.

Technical Characteristics

Resin	Nano-Particle Acrylic Resin
Pigments	Transparent, light-fast iron oxides
Finish	Satin (Non-Slip, Neutral: Matt)
Odour	Odourless
Viscosity	1300-1500 L3, 20 25° (neutral) // 210-250 L2, 20 25° (coloured)
Density (20°C)	1.03 kg/l
Solvent Type	Water
VOC (Coloured)	It contains VOC max 12 g/l. Limit value 2004/42/CE-IIA cat. i) is VOC max. 140. g/l (2010)
VOC (Neutral + Neutral Non-Slip)	It contains VOC max 31 g/l. Limit value 2004/42/CE-IIA cat. i) is VOC max. 140. g/l (2010)
Drying	Touch dry: 60 minutes. Repainted: 2 hours
Application Conditions	Maximum Relative Humidity 65%. Temperature between 5° and 35
Storage	Conserve inside at temperatures between 5°C and 35°C
Container sizes	1l, 4l and 20l
Utensils and Cleaning	Brush. Clean with water
Colours	Available in 3 colours: Jatoba, Iroko, Azobe + Neutral + Neutral non-slip. Mixable with each other
Coverage	10-12 m²/l depending on state of surface and wood type

Safety

- All current legislation must be followed in the case of storage and handling.
- Storage Life: 3 years in sealed containers and at storage conditions as recommended in the Technical Characteristics section.
- Prevent the product or product residues coming into contact with water courses. Remember: the care and protection of the environment is the legacy for our future generations.
- Keep out of the reach of children.

Quality Guarantee

CEDRIA products have been developed, manufactured and sold under the most rigorous quality standards. These recommendations are made in accordance with the current state of our knowledge and provide general information about the application and use of the products. Given the variety of substrates, uses and application techniques, the purchaser/user remains responsible for checking the materials, their application and the final result. For this reason the purchaser/user is advised to test the product prior to the final application.

Application and Preparation of the wood

It is essential to prepare the wood properly before applying the wood stain:

1. The wood should be dry (with less than 18-20% humidity).
2. The wood should be free from dust, grease, residues and other substances.
3. Before applying the wood stain, it is recommended to sand the wood in the direction of the grain to open up the pores and improve adhesion. VERTICAL WOOD: P60 Sandpaper. HORIZONTAL WOOD: P40 Sandpaper. Avoid sanding between coats.
4. Product is ready to use.
5. Stir (do not shake) the product with a spatula before using.

New Wood

- **It is essential to prepare the wood before applying the wood stain. See the section on application and preparation of wood.**
- Apply 2 coats of coloured CEDRIA NANO DECK FLOORING or, if requiring non-slip performance: 1 coat of coloured CEDRIA NANO DECK FLOORING + 1 coat of CEDRIA NANO DECK FLOORING neutral NON-SLIP. Usage 100 g/m² per coat. Drying time between coats 2 hours.

Wood that is worn or in a poor state

- **It is essential to prepare the wood before applying the wood stain. See the section on application and preparation of wood.**
- Remove traces of previous products before sanding the wood in the direction of the grain (see the section on preparation of the wood) or stripping the wood with CEDRIA REMOVER GEL*¹.
- Apply 2 coats of coloured CEDRIA NANO DECK FLOORING or, if requiring non-slip performance: 1 coat of coloured CEDRIA NANO DECK FLOORING + 1 coat of CEDRIA NANO DECK FLOORING neutral NON-SLIP. Usage 100 g/m² per coat. Drying time between coats 2 hours.

Maintenance

To be followed when the colour loses brightness or has faded due to weathering and erosion.

- Simply clean the surface with water using a high-pressure jet (Pressure washer. Guide pressure 80-120 bar) and allow to dry for between 12 and 24 hours or lightly sand in the direction of the grain (see section on preparation of the wood).
- Apply 1 coat of coloured CEDRIA NANO DECK FLOORING or, if requiring non-slip performance: 1 coat of coloured CEDRIA NANO DECK FLOORING + 1 coat of CEDRIA NANO DECK FLOORING neutral NON-SLIP. Usage 100 g/m² per coat. Drying time between coats 2 hours.

Additional Recommendations

- **CEDRIA NANO DECK FLOORING neutral NON-SLIP:**
The application of CEDRIA NANO DECK FLOORING neutral NON-SLIP offers a matt finish and may lose transparency due to subsequent exposure to dust and/or dirt. To avoid this loss of transparency it is recommended to add a 10% of CEDRIA NANO DECK FLOORING coloured to the CEDRIA NANO DECK FLOORING neutral NON-SLIP before its application. Avoid the application of more than one coat of CEDRIA NANO DECK FLOORING neutral NON-SLIP. Likewise, it is recommended to apply it with a thin layer.
- For woods such as Oregon or Longleaf Pine which are resinous or have resinous knots, after sanding and before applying the wood stain, it is recommended to wipe the wood thoroughly with a cloth impregnated with CEDRIA WOOD NET*¹.
- CEDRIA NANO DECK FLOORING is compatible with previous or subsequent applications of most water-based wood stains and varnishes. For greater security, it is recommended to test the product, as is the case with other types of repainting.
- It is very important to avoid applying the product in hours of maximum direct sunlight. When the wood is too hot, the polymerisation of the resins is impaired. As an emergency solution and to avoid the effects caused by rapid evaporation of the water, it is recommended to lightly wet the wood with a small amount of water. It is also recommended not to apply the products in temperatures less than 5°C.
- Drying times will vary according to temperature and relative humidity.
- The performance and behaviour of the product may vary depending on the type of wood.
- To ensure maximum protection outdoors avoid sanding between coats.
- When sanding avoid using metallic scouring pads, steel wool or any other tool that can leave metal remnants.

*¹: See the Technical Sheet for the product.