

# CEDRIA Barni Sol

Technical Sheet

## Outdoor Range

### Product Description

Neutral, breathable wood stain with high solid content. Water-based. Allows results and finishes to be achieved that are superior to conventional wood stains.

### Properties

- Excellent resistance to UV rays even in adverse climatological conditions.
- Water repellent. Humidity regulator.
- It contains broad spectrum biocides to protect the film against fungal attacks and provide an effective film protection.
- Maximum durability and internal flexibility. Will not split or crack.
- Rapid drying.
- Easy maintenance.
- Environmentally friendly.

### Recommended Uses

As a finish for all types of wood: softwoods, hardwoods and tropical woods: doors, windows, pergolas, decking and other items in general. Exterior – Interior.

### Technical Characteristics

Resin	Fine particle acrylic
Finish	Satin and Matt
Odour	Odourless
Viscosity	Brookfield 2800-3300 mPa.s (L3, 20 25°C)
Density (20°C)	1.05 kg/l
Solvent Type	Water
VOC	It contains 31g/l. - Limit value 2004/42/CE-IIA cat. e) is VOC max. 130g/l (2010)
Drying	Touch dry: 2 hours. Repainted: 3-4 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	750ml, 4l and 20l
Utensils and Cleaning	Brush, roller or spray-gun. Clean with water
Colours	Neutral Slight rosy tone
Coverage	9-10m <sup>2</sup> /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: 2 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 the pores and improve adhesion. VERTICAL WOOD: P80 Sandpaper. HORIZONTAL WOOD: P40 Sandpaper. Avoid sanding between coats.
4. Product is ready to use (Only when using a spray-gun, if necessary, dilute with 5% water, preferably distilled).
5. Stir (do not shake) the product vigorously with a spatula before using.
6. **IMPORTANT: FOR WOOD EXPOSED TO THE SUN IT IS RECOMMENDED TO PREVIOUSLY APPLY A PIGMENTED WOOD STAIN; A NEUTRAL WOOD STAIN IS INSUFFICIENT.**

## New Wood

### Softwood and/or Tropical Woods.

- **It is essential to prepare the wood before applying the wood stain. See the section on application and preparation of wood.**
- Apply 1 or 2 coats of CEDRIA FON TIN\*<sup>1</sup> in the chosen colour. Usage 100 g/m<sup>2</sup> per coat. Drying time between coats 1 hour.
- Apply 1 or 2 coats of CEDRIA BARNI SOL neutral. Usage 100 g/m<sup>2</sup> per coat. Drying time between coats 3-4 hours.

### Hardwoods - Chestnut and Oak rich in tannins.

- **It is essential to prepare the wood before applying the wood stain. See the section on application and preparation of wood.**
- Apply 1 coat of CEDRIA PRIMER TANNIN INHIBITOR\*<sup>1</sup> to prevent black stains caused by the tannins.
- Apply 1 or 2 coats of CEDRIA FON TIN\*<sup>1</sup> in the chosen colour. Usage 100 g/m<sup>2</sup> per coat. Drying time between coats 1 hour.
- Apply 1 or 2 coats of CEDRIA BARNI SOL neutral. Usage 100 g/m<sup>2</sup> per coat. Drying time between coats 3-4 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 GEL REMOVER\*<sup>1</sup>.
- Apply 1 or 2 coats of CEDRIA FON TIN\*<sup>1</sup> in the chosen colour. Usage 100 g/m<sup>2</sup> per coat. Drying time between coats 1 hour.
- Apply 1 or 2 coats of CEDRIA BARNI SOL neutral. Usage 100 g/m<sup>2</sup> per coat. Drying time between coats 3-4 hours. If you do not wish to intensify the colour excessively, you can apply 2 coats using a mix of CEDRIA FON TIN\*<sup>1</sup> in the chosen colour and CEDRIA BARNI SOL neutral.

## 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 CEDRIA FON TIN\*<sup>1</sup> in the chosen colour. Usage 100 g/m<sup>2</sup> per coat. Drying time between coats 1 hour.
- Apply 1 coat of CEDRIA BARNI SOL Usage 100 g/m<sup>2</sup> per coat. Drying time between coats 3-4 hours. For regular maintenance, if you do not wish to intensify the colour excessively, you can apply 1 coat using a mix of CEDRIA FON TIN\*<sup>1</sup> in the chosen colour and CEDRIA BARNI SOL neutral.

## Additional Recommendations

- 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 soaked in any resin-removing product.
- CEDRIA BARNI SOL 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 avoids using metallic scouring pads, steel wool or any other tool that can leave metal remnants.

<sup>1</sup>: See the Technical Sheet for the product.