



## WATER-REPELLENT WOODSTAIN PROTECTION AND DECORATION FOR WOOD

- ✓ PROTECTS AGAINST WATER
- ✓ DECORATES AND EMBELLISHES
- ✓ DELAYS AGING
- ✓ HIGH UV RESISTANCE
- ✓ LONG LASTING EFFICIENCY
- ✓ DOES NOT BLISTER
- ✓ EXTERIOR

### DESCRIPTION

ImperGuard® Color Special Wood is a new-generation product for protecting and decorating bare or renovated wood. Consisting of mineral pigments, it can be used to embellish wood with many shades of colours.

ImperGuard® Color Special Wood protects wood against water. It greatly reduces water absorption by the wood and has excellent durability. It delays the aging of wood, makes it simpler to maintain, and preserves its new, clean appearance for much longer.

ImperGuard® Color Special Wood is an impregnating product that does not peel, blister or yellow. It gives colour without damaging the structure and appearance of the wood (figure, grain etc.).

### USE

ImperGuard® Color Special Wood can be applied indoors and out to vertical wood surfaces where protection and colour are desired: Scots pine, maritime pine, spruce, Douglas fir, and larch. It is ideal for treating weatherboarding, fencing, shutters, panelling, joinery, garden furniture and all above-ground timber.

ImperGuard® Color Special Wood can be applied to bare or planed timber. Can be used on brushed wood (opaque version only).

### AVAILABLE COLOURS

17 standard colours as shown on the ImperGuard® Color Special Wood colour chart. The final shade depends on the initial shade of the substrate. ImperGuard® Color Special Wood can also be customised for specific projects in the 1,950 shades of the NCS colour chart.



Colours not contractual. Available in a semi-transparent matt or gloss finish or an opaque matt or gloss finish.

## CHEMICAL NATURE

- Copolymer with mineral pigments.

## ADVANTAGES AND CHARACTERISTICS

- Excellent adhesion to wood
- Protects against water
- Greatly reduces water absorption by the substrate
- Long-term behaviour tested in an accelerated-aging chamber (Q.U.V.) to standard NF EN ISO 927-6

## ENVIRONMENT

### Environmentally friendly and ecological:

- Water-based product.
- No petroleum-based solvents.
- Silicone-free.
- Safe and non-toxic.
- More than 80% biodegradable.\*
- VOCs < 12 g/L.\*

## CONTAINERS

5 and 25 Kg.

## TECHNICAL DATA

Physical state at 20°C	: Liquid
Colour	: Coloured
Odour	: None
pH	: $8.5 \pm 0.5$
Boiling point [°C]	: 100°C
Relative density	: $1.03 \pm 0.02$
Solubility in water [vol/vol]	: Total
Flashpoint [°C]	: Not applicable

## HOW TO USE

### Surface preparation :

- Always prepare the wood according to the latest French unified code of building practice (DTU 59.1, DTU 42, DTU 36.1).
- The moisture content of the substrate to be treated must be not more than 18%.
- **New wood:** apply the product to clean, dust-free, sound, dry wood. Sanding with 80 grit is recommended before applying ImperGuard® Color Special Wood.
- **Old bare wood that has had no previous treatment:** Sand down to bare wood with <120 grit. Remove all dust with a powerful vacuum cleaner to enable the protective product to penetrate properly and not peel off later.
- Apply product within 30 minutes of sanding.
- Do not apply during rain or in very hot weather. Ideal air temperature: 10°C to 30°C. Moisture content: 20% to 60%.
- Ideal temperature of substrate: 15°C to 25°C.
- Recommended temperature of product before application: 15°C to 25°C.

### Application :

- Test first under actual conditions on a small area and leave to dry for 24 hours. Check adhesion.
- Use the product neat - do not dilute.
- Stir the product for at least 1 minute with a stirrer to homogenise the product.
- Apply along the grain of the wood on all visible surfaces exposed to the exterior.
- Impregnate the substrate with 2 coats (not too thick).
- Minimum coverage per coat: 80 g/m<sup>2</sup>.
- Drying time between coats: 30 minutes at 20°C.
- Rub down lightly (120 grit) between coats to improve the final appearance.
- Protect from rain for 24 hrs and from greasy deposits for at least 48 hrs.
- Optimal performance is attained after 5 to 7 days.

## LIMITATIONS ON USE

- Substrates, substrate preparation and product application must comply with the latest French unified codes of building practice 59.1 (Paintwork), 42 (Weatherboarding), 36.1 (Wood joinery), etc.
- Joints must be watertight.
- Areas where the wood grain is too high must be sanded down again.
- Knots in weatherboarding must comply with class A described in standard EN 14 519. Always check that the product is adhering well.
- Remove all sharp edges on the transverse parts of profiles, corners must have a radius of at least 2 mm.
- Any wood with resin on the surface before application cannot be used, sanding will smear the resin and clog the abrasive.
- Ensure there are no areas where water can be retained. Slopes must be greater than 15% (8.53°) relative to the horizontal.
- Wood must be allowed at least 48 hours to stabilise under shelter and its temperature must be within 5°C of that of the finishing workshop.
- For weatherboarding in resinous wood, the quality of the wood must at least satisfy Class A as defined in standard NF EN 14519.
- Where applying ImperGuard® Color Special Wood to joinery components, end grain must be saturated with product to prevent moisture penetration.
- For ends, cuts and drill holes it is essential to saturate the wood with the protective product.
- The temperature difference between the substrate and the workshop must not exceed 5°C.

### Do not use on the following substrates:

- Heat-treated, retified, or modified wood.
- Class IV pressure-treated wood.
- Wood that has been made fire-resistant and has exterior exposure.
- Varnished, oiled, waxed, etc. wood.
- Polished (e.g. with 240 grit) wood.
- Sawn unsanded timber.
- Damp wood (moisture content > 20%).
- Wood containing microorganisms or insects.
- Dusty wood.
- Wood with sharp unrounded edges.

\* Calculation based on the components' data.

## APPLICATION TOOLS

- For greater control and excellent final results, ImperGuard® Color Special Wood should preferably be applied with an air-assisted spray gun or by brush.



## COVERAGE

Coverage depends on how porous the wood is. The following values are for guidance only:

**170 to 180 g / m<sup>2</sup>**

## CLEANING YOUR EQUIPMENT

- Clean tools and equipment immediately after use with water.

## STORAGE

- Keep in a dry place (between 5°C and 30°C).
- Storage: 12 months following the production date when kept in the original unopened container.

## HEALTH / SAFETY

- Respiratory protection: Under normal conditions of use where adequate ventilation is available, no special respiratory protection equipment is needed.
- Hand protection: Wear latex gloves.
- Skin protection: No special protective clothing or skin protection is required under normal conditions of use.
- Eye protection: If there is a real risk of splashing, wear protective goggles.
- If swallowed: Do not induce vomiting. Contact a doctor or a specialist.

**KEEP OUT OF THE REACH OF CHILDREN**

## TECHNICAL SUPPORT

### GUARD INDUSTRY

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