

General Description:

AQUAWOOD EXTERIOR STAIN is a water-based stain for outdoor application with excellent resistance to blocking, good colour retention and provides long term protection.

Major Uses:

Wooden items for interior and exterior exposure.

Physical Properties:

Solids content	23 ± 1
Specific gravity	1,020 ± 0,030 kg/li.
Viscosity	37 ± 1 (FC#4 @ 25°C)
Drying time	1 hr
Through dry	4 hrs
Overcoat	12 hrs
Spreading rate	12-15 m ² /L
VOC	105 g/L

Available colours:

AES 10000	Clear
AES 10010	Light Oak
AES 10020	Natural Oak
AES 10030	Medium Oak
AES 10040	Oregon Pine
AES 10050	Chestnut Grove
AES 10060	Walnut
AES 10070	Teak
AES 10080	Dark Oak
AES 10090	Wild Cherry
AES 10100	Mahogany
AES 10110	Ebony
AES 10120	Yellow Ochre
AES 10130	Red
AES 10140	Palisander

Method of Application:

Brush, Dipping, Spray

Mixing Procedure:

Ready to use. If a lighter colour is required, dilute with drinking water

Product Characteristics:

AQUAWOOD EXTERIOR STAIN are water based wood stains which ensure wood decoration leaving its natural look unchanged (thin film). The special additives contained in the products give excellent wood preservation properties on the surface thus gives a protection against bacterial attack..

This also gives better stability to the coated item, ensuring additional protection against the desegregating action of water if compared to water based systems with conventional protective wood stain. AQUAWOOD EXTERIOR STAIN are suitable for preserving the softwood exposed to external environment against attack from staining fungi and rot. They contain transparent iron oxides (clear version expected), which provide good light fastness and are UV resistant thus protecting the wood from discoloration.

We advise against clear preservative systems of exterior exposure are not highly recommended, as they do not contain iron oxides and therefore do not ensure suitable protection against UV radiation.

Use of Product:

Wood species

The most suitable timbers are spruce, pine, yellow pine, Douglas fir and hemlock, both untreated and treated.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

MAS PAINTS & CHEMICAL INDUSTRY

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5-10°C).

During impregnation phase, wood species such as oak, chestnut and iroko may suffer problems of flow due to the removal of tannin compounds commonly present in these timbers by the water based stain.

Sanding of the bare wood

A thorough sanding is particularly important, 150 grit sanding is recommended.

Application systems

Stains can be applied by flow coating, dipping, brushing or spraying. This last application method (Spraying) is to be used only when suitable protection and ventilation devices are used.

Application on new timbers

Carefully sand the wood, (which is to be well dried), with 150 grit sandpaper. Apply from 1 to 3 coats, depending on the degree of exposure, with an interval between coats of 4 hours max. For longer intervals, sanding of the substrate with 280 grit sandpaper is recommended. Some sanding is recommended on the last but one coat, in order to improve the appearance. The next day, after completion, if increased water-repellence is required, carefully brush the stain, for instance with sorghum.

Drying

Drying of water based products must take place at temperatures above 15°C and at a relative humidity not exceeding 85%. Out of these limits, there is a slowing down of the drying process and formation of a softer and less resistant film. In case the product is applied outside, avoid application in particularly humid (i.e. foggy) or cold days (less than

Special Instructions:

- Stir products well
- Make sure the can is well sealed
- Store above 5°C
- Use in well ventilated area
- Use in temperatures above 10°C
- Do not pour waste down sinks, drains or sewers
- Waste must be disposed responsibly and in accordance with current legislation
- Keep out of the reach of children
- Avoid contact with skin or eyes

WARNING:

NATURAL RESIN ESCAPE. Many timber species, especially conifers such as Pine, Larch, Douglas fir and spruce, contain large quantities of natural resin in capillaries and resin sacs near knots. It is virtually impossible to eliminate this or to use coatings to block it. Sooner or later the resin will escape, the only damage is to the appearance of the material and the quality of the film is not affected.

Physiological Hazards:

AQUAWOOD EXTERIOR STAIN do not contain solvents. Ensure proper ventilation on working areas, wear gloves and safety clothing while application. When contact with eyes, splash with fresh water and seek immediate medical advice.

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