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:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids content</td>
<td>23 ± 1</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1,020 ± 0,030 kg/li.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>37 ± 1 (FC#4 @ 25°C)</td>
</tr>
<tr>
<td>Drying time</td>
<td>1 hr</td>
</tr>
<tr>
<td>Through dry</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Overcoat</td>
<td>12 hrs</td>
</tr>
<tr>
<td>Spreading rate</td>
<td>12-15 m²/L</td>
</tr>
<tr>
<td>VOC</td>
<td>105 g/L</td>
</tr>
</tbody>
</table>

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.
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 5-10°C).

**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 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 contains 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.

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.