

## WOODEN SURFACE RESTAURATION GUIDE

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Agent: water-based wood protection stain REMMERS Aqua HSL/35m

### Range of use

- For outdoor wooden surfaces such as bench seats and wooden surfaces not in contact with the ground and according to standard EN 335-1 belong to 2. and 3. usability class.

### Product features

- Thin-layer coating ensures transparency of the wood texture.
- Preserves wood from moisture and provides effective prevention of bruising.
- Reduced the risk of rotting.
- Increased pigment content ensures protection against UV rays.
- Forms a film that protects against mould and algae.
- Is water-based: odourless. Work instruments can be washed with water.
- Quick drying: 2 coats can be applied in one day.
- Penetrates deeply into the surface.
- Ensures active breathing.
- Does not peel off.
- Provides long-lasting protection and degrades evenly under exposure to atmospheric conditions.
- Color tones can be mixed.

### Application rate

Depending on wood absorption, the application rate is 100 - 110 ml/m<sup>2</sup> for one layer.

### Processing conditions

- The optimum temperature of air, painting surface and stain is +10 °C to +25 °C.
- The relative humidity of the air is 50% to 65%. The moisture content of the wood must not exceed 18%.

### You may need

- Wood protection stain Aqua HSL/35m, art. Nr. 712001.
- A medium-hard brush and cloth for cleaning.
- A trowel.
- Sand paper G120.
- Masking tape.
- Sponge or paintbrush.
- REMMERS Verdünnung V 101, art. Nr. 097801 and REMMERS Verdünnung & Brush cleaner, art. nr 195502.

### Preparation

- Existing peeling or cracked coating, unstable branches, loose fibres and bark should be removed by trowel or sanding.

- Dirt or exposed resin should be removed and cleaned with a suitable agent (e.g. REMMERS Verdünnung V 101, Verdünnung & Brush cleaner).
- To ensure better paint absorption for smooth and planed surfaces, it is recommended to sand it with G120 grit sandpaper.
- The surface must be dry and free from dust.
- Use masking tape to protect elements close to the painting surface.

### **Surface coating**

- The stain must be mixed thoroughly before and during use.
- The stain is applied in the direction of grains with a brush or sponge so that it is evenly absorbed into the surface. Evenly spread the stain onto the entire board with continuous strokes in length.
- Wipe off the excess stain from non-absorbing surfaces.
- Only one layer is applied to the surfaces with an existing coating. If necessary, the second layer should be applied for porous or rough wood finishes. It is spread as soon as the stain has absorbed into the surface and dried up.

### **Drying**

- The next layer should be repeated after 2-3 hours at a temperature of 20°C and air humidity of 65%. Low temperature, insufficient air exchange and increased air humidity slow up drying.
- Drying time before packing is 12 to 24 hours. When packing a foam film spacer, avoid sticking each board to another.

### **Renovation frequency**

- Surface renovation frequency is determined by its intensity of exposure to outdoor conditions, which wear out the protective surface coating.
- Surfaces exposed to constant atmospheric effects should be inspected once a year, and if necessary, the coating should be renewed.

### **To be considered**

- The final surface colour depends on the species, hardness, and original colour of the wood, and the number of times it has been treated.
- Test a small area on similar wood before application.
- Each coat of paint darkens color tint and increases the gloss of the surface but Mould Removal lightens wood surfaces.

### **Safety**

- The wood protection product contains biocidal active substances that protect the wood from pests. Avoid unnecessary contact with the product.
- When working with the product indoors (as part of professional activity), ensure good ventilation. Minimize the length of stay in the work area. Wash your hands before the breaks and at the end of work.
- The stain must not be used on wooden surfaces that may be in direct contact with food products.
- The product and its residues must not enter water reservoirs, soil or sewage system.

These recommendations are based on our best experience and knowledge; however, the result is affected by many circumstances and cannot be guaranteed.  
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