

# FAMOUS SPECIALITY CHEMICALS

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## Product: FSC Aquasafe

**FSC Aquasafe** is our premium quality synthetic resin based adhesive suitable for wood work. It is technologically superior product in its class, providing very high water resistance and excellent bonding even on marine – grade plywood after optimum curing. Because of its very high resin content and special formulation, it offers much better durability to furniture being used in high humidity areas.

### 1. TYPICAL PROPERTIES

- **Appearance:** Milky white emulsion
- **Viscosity at 30 °C, Poise (By B.F. RVT Spindle-5, RPM – 5):** 250 to 325
- **pH:** 3.0 to 5.0
- **Specific Gravity:** 1.05 to 1.09
- **Flow:** Continuous
- **Spreadability:** Smooth and easy

### 2. FIELD OF APPLICATION

#### Furniture Industries

- Bonding laminate, plywood, veneer, particleboard, MDF, block board, hard board to each other.

#### Non-furniture Industries

- Bus body building where wood is used
- Wooden cabinet for Television and Radio, wooden framing of wall clock

### 3. APPLICATION METHOD

- Surfaces to be bonded should be free from oil; grease; dust and dirt and should be dry and properly levelled.
- For best results, roughen the surfaces to be bonded.
- Stir content of container before use.
- Apply even coats of **FSC Aquasafe** first on comparatively non-porous surface, and then on porous surface for e.g. apply first on laminate and then on plywood.
- If possible, application should be such that, it should be lengthwise on one surface and breadth-wise on other surface. This will help in proper and uniform spreading of adhesive while pressing.
- Before allowing adhesive to dry, and bring both the surfaces in contact together, make proper alignment, and start pressing from one side by using wet squeezed cloth to avoid bubbles, and ensuring uniform contact.
- Please note that **FSC Aquasafe** starts to dry quickly. Position the substrates within 5 – 6 minutes. Repositioning should be done if required within a minute of joining.
- Pressure can be given by using nails; clamps; weight; masking tape etc.

- Excess adhesive; which oozes out from edges should be wiped off with wet squeezed cloth.
- To get best results, bonded surfaces are to be kept under pressure for 24 hrs.
- If required, pressure can be released after 4-6 hrs and the bonded assembly can be put to use.
- In case of highly porous surfaces like particleboard and MDF, it is advised that, a thin coat of **FSC Aquasafe** is applied by pressure on the surface and allowed to dry. This will fill the pores of the surface. After drying, light sanding is to be done for getting smooth levelled surface and then this surface is bonded as per the method shown above.

#### **4. ADVANTAGES**

- Solvent free, Non-hazardous, Non-flammable, No fire hazards.
- Free from offensive smell.
- If required, it can be diluted with clean water till applicability is achieved.
- Very quick setting time. Handling strength is achieved within 4 – 6 hrs of application.
- Superior flow and spreadability and hence it can give higher coverage.
- Excellent bond strength offering better moisture resistance.
- Heat resistance in normal case
- Can be applied by brush, roller, spreader or any suitable applicator.
- Easy to clean up while wet.
- Excellent film formation.
- Dries clear

#### **5. PRODUCT COMPLIANCE**

Low VOC value meets for the Certification of LEED / Green, Free Formaldehyde Certification, ROHS Compliance

#### **COVERAGE**

- Approx. 34 – 38 sq.ft/kg (both side application)

#### **PRODUCT GUIDELINES**

##### **PRECAUTIONS**

- When not in use, container should be kept closed.
- Skin formation if any, should be removed from the surface before use.

##### **SHELF LIFE**

- Best to use before 18 months from the date of manufacturing.

##### **STORAGE**

- Store in cool & dark shaded place; away from the sunlight.

##### **PACKING**

- 1 Kg, 5 Kg, 10kg, 20kg, 50 Kg

#### **NOTE**

We recommend that before using our product, the customer should make his own test to determine the suitability of the product for his own purpose under his operating conditions, As the circumstances under which our product is stored, handled and used, are beyond our control, we cannot assume any responsibility of their use by the customer. Specifications are subject to change. Current specification is available with HO Marketing and can be provided on request.