Modern Chemical Industries, S.A.E.
Paints · Coatings | Corniche Embaba, Al Warraq, Giza, Egypt | Established 1978

SOLID WOOD STAIN

Universal Concentrated Wood Stain for Interior and Exterior Woodwork — Solid Line

PRODUCT DESCRIPTION

Solid Wood Stain is a high-quality transparent wood stain with strong concentration, a wide color range, and good color stability. It is used to tint furniture and wooden surfaces and works to bring out the natural beauty of the wood grain. It can be diluted with thinner, alcohol, or water, is compatible with most varnishes, oils, and waxes, is almost odorless, dries fast, and resists ultraviolet rays for interior or exterior projects.

KEY FEATURES

- High transparency, revealing the natural beauty of the wood grain
- Strong tinting concentration with good color stability
- Easy to use and available in a wide color range
- Suitable for treated, softwood, engineered wood, and compressed wood boards
- Compatible with most varnishes, oils, and waxes
- Almost odorless and fast drying
- Resistant to ultraviolet rays

RECOMMENDED USES

- Tinting furniture and wooden surfaces
- Interior and exterior wood projects
- Treated, soft, engineered, and compressed wood boards

SURFACE PREPARATION

The surface must be dry, clean, uniform, and free from grease and dust. Any contamination must be removed before application. Wood must be sanded with grit 150 sandpaper, then dusted off and cleaned. Stir the product well with a stick before and during use.

TECHNICAL & PHYSICAL PROPERTIES

Property	Value
Product Type	Wood stain
Color Range	21 colors
Specific Gravity	0.83 ± 0.03 g/cm³ (ASTM D1475-98)
Spray Viscosity at 25°C and 50% Relative Humidity	10 - 12 seconds, Ford Cup No. 4 at 25°C
Number of Coats	According to the required depth of color
Theoretical Spreading Rate	14 m²/L
Shelf Life	24 months from the date of production, stored in the original sealed container under suitable conditions and away from direct sunlight

APPLICATION GUIDELINES

Parameter	Recommendation
Application Method	Roller, brush, or spray gun
Mixing Ratio	5 - 10 mL of stain added to 100 mL of MCI Thinner, alcohol, or water
Thinning	MCI Thinner, alcohol, or water
Nozzle Orifice	0.015" - 0.021"
Nozzle Pressure	140 - 190 kg/cm² (2100 psi)
Spray Angle	25° - 65°
Application Conditions	The air must be free of dust and impurities during application and

drying. Surface temperature must not be below 5°C

DRYING TIME

Stage	Value
Initial Dry	2 - 3 minutes
Final Dry	5 minutes
Before Finish Coat	2 hours

After two hours' drying, apply a finish product of your choice. Temperature, humidity, film thickness, and the number of coats all affect drying time.

RECOMMENDED PAINT SYSTEM

- New wooden surfaces: apply a suitable number of wood sealer coats and sand well before applying the varnish coats
- Solid Wood Stain — first coat, 14 m²/L, on both new and previously coated wooden surfaces
- Finish coat: a varnish, oil, or wax of choice, applied after two hours' drying

STORAGE

Store in a cool, dry, well-ventilated place, away from direct sunlight, heat sources, extreme temperatures, and all sources of ignition. Keep containers tightly closed when not in use. Do not return unused material to its original container, to avoid contamination.

HEALTH & SAFETY

- FLAMMABLE LIQUID. Keep away from heat, sparks, open flames, and all other sources of ignition. No smoking during application or storage.
- Vapours are heavier than air and may accumulate at floor level. Ensure thorough ventilation at low level during application and drying.
- Observe all warning and precautionary labels displayed on the container.
- Avoid inhalation of vapour and spray mist. Wear a suitable respirator, overalls, gloves, and goggles.
- Avoid skin and eye contact. In case of eye contact, flush immediately with plenty of clean running water and seek prompt medical attention.
- Keep out of reach of children.
- Do not empty into drains or watercourses. Dispose of waste and contaminated materials in accordance with local regulations.
- A Safety Data Sheet is available for this product and should be consulted for full handling and disposal information.

The information in this data sheet is given to the best of our knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.