
Product Description

Semi-transparent water-based stain particularly recommended for horizontal and vertical surfaces. Its new technology provides optimum protection against wear.

Advantages

- Alkyd resin encapsulated with acrylic, reinforced with urethane providing optimum protection against wear.
- Contains nanopigments and UV filters providing dual protection against the harmful rays of the sun.
- The second coat may be applied as soon as one hour after the first one.
- Water-based microporous product allowing wood to breathe.
- Enhance the beauty of the wood without concealing the grain.
- Excellent resistance to mildew: contains an efficient fungicide, which prevents the mildew fungus from growing on the surface.
- Tools are water washable.
- Product that complies with the Canadian environmental standards in relation to volatile organic compounds (VOC).

Projects

Environment

Exterior.

Use

Vertical and horizontal surfaces: decks, stairs, patios, railings, sidings, fences and outdoor furniture.

Surfaces

New or previously stained wood, treated wood, pine, cedar and exotic woods that were exposed to the effects of weather for one year or more. May be applied on previous semi-transparent stains that were exposed for more than one year. Surface preparation is essential prior to applying the product.

Note

Not recommended on torrefied wood. This product is incompatible with preservatives and waterproof semi-transparent stains containing wax.

Pre-mixed colors, tinting bases and sizes

Consult your Sico retailer.

Characteristics

Physical Form

Liquid

Quality

Highest

Transparency

Semi-transparent

Gloss Level

Flat satin

Gloss Percentage

Gloss at 60° : ± 5%

Gloss at 85° : not applicable

Composition

- Diluent: water
- Binder: emulsion of alkyd resin encapsulated with acrylic reinforced with urethane
- Pigments: nanopigments (transparent oxides)

Spreading Rate

3.78 L : 500 à 600 ft² (46 à 56 m²)
(depending on surface porosity)

Drying Time

- Dust dry: 1 hour
- Before covering: between 1 hour and 24 hours
- Floors: 24 hours before replacing furniture and resuming normal circulation
- Before cleaning: 7 days

Viscosity*

FORD Cup 4: 22 to 28 seconds

Density*

1.05 g/mL

Solids in Volume*

17.8%

Flash Point*

Not applicable

Inflammability

Nonflammable

Certifications*

VOC method ASTM D3960-05: 245 g/L
Canadian environmental VOC standards:
< 250 g/L

*Technical data source: 234-190

TDS_234XXX (2008-06-13)

Surface Preparation

Surface preparation is of the utmost importance. The majority of problems attributable to coatings are caused by inadequate surface preparation. Surfaces must be clean, solid, free from dust, dirt, oil, soot, wax, mildew, chalking, patina or flaking, etc. In order to prepare surfaces adequately, follow the preparation steps as described below:

- Clean surface with the appropriate product. Sico cleaner, brightener and conditioner is normally the most used cleaner on bare or previously treated wood. If wood exudes resin, scrape the excess and clean surface with alcohol or paint thinner.
- Strip surface if it is in poor condition or if previously treated with a waterproof product containing wax.
- Sand horizontal surfaces using No. 80 grit sandpaper and vertical surfaces using No. 120 grit sandpaper. Vacuum sanding residues. (Sanding allows for better stain penetration. Precautionary measures: operations such as dry sanding or paint film burning may generate dust and harmful fumes. If possible, the wet sanding method should be used. If exposure cannot be avoided by means of local ventilation, wear a breathing mask).
- Repair holes and cracks with a paste filler suitable for the surface to be repaired. If necessary, replace boards that are cracked or warped.

Application

- Before applying the product, wait 16 hours after a light rainfall occurred and 24 hours after a heavy rainfall or high pressure cleaning. The product may be applied on a moist surface, but not on a wet one. The wood must have between 12 to 18% moisture content.
- This is a ready-to-use product, and it should not be diluted.
- Thoroughly stir the product before and during application.
- Condition the tools with water before using them.
- Apply the product along the grain of the wood. If you use a roller, immediately smooth the surface with a paintbrush. To avoid lapping, only handle a few boards at a time. Generously saturate the ends of the boards. Apply two coats to achieve optimum performance and comply with the prescribed drying time before covering. Make sure application is completed 1 hour to 2 hours before a rainfall or the night dew point.
- Let surface dry completely before walking on it. Extend drying time in case of heavy rain, cooler temperatures and high humidity.
- Wait 24 hours before replacing furniture on the deck and 7 days before cleaning the surface with a non-abrasive detergent and water.
- To obtain more information on application methods, visit the website at www.sico.ca.

Recommendations

Application Conditions

- Temperature: 10°C to 29°C (50°F to 85°F)
- Relative humidity: 45 - 55%
- Not to be applied under direct sunlight, on a warm surface or during windy weather.

Tools

- Paintbrush: synthetic bristles
- Roller: 6 - 10 mm
- Spray gun: not recommended

Cleaning of the Tools

Remove excess product and clean tools with lukewarm water and soap.

Surface Maintenance

- Vertical surfaces: 3 years minimum. Clean the surface, touch up bare spots with the same product and apply an additional coat on entire surface.
- Horizontal surfaces: varies according to use and location. Surfaces highly exposed to the effects of weather or intense circulation may prematurely affect the product performance..

Storage and Transportation

Keep product in a cool, dry and well-ventilated area. Avoid freezing. Pot-life for this product is approximately 5 years.

Disposal

Contact your municipality to dispose of product leftovers. Recycle where facilities are available to do so.

Safety Measures

Consult the safety data sheet. Keep out of reach of children. If ingested, call poison centre or physician immediately.