132-xxx
Exterior Solid Water-based Stain for Wood
Satin Finish

Product Description

Solid water-based stain particularly recommended for horizontal and vertical surfaces. Provides optimum protection against flaking and preserves the beauty of the wood.

Advantages

- Contains penetrating natural oils providing optimum protection against flaking.
- Acrylic formula that preserves the beauty of the wood.
- Water-based microporous product allowing wood to breathe.
- 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 wood, previously painted or stained wood, pressure-treated wood and wood exposed to the effects of weather. It is essential to prepare the surface prior to applying the product.

Note
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
Standard

Transparency
Opaque

Gloss Level
Satin

Gloss Percentage
Gloss at 60° : 10% ± 5%
Gloss at 85° : not applicable

Composition
- Diluent: water
- Binder: acrylic latex resin with linseed oil emulsion
- Pigments: titanium oxide, inert fillers and others

Spreading Rate
3.78 L : 450 to 550 ft^2 (42 à 51 m^2)
(depending on surface porosity)

Drying Time
- Dust dry: 4 hours
- Before covering: between 16 hours and 7 days
- Floors: between 3 and 7 days before replacing furniture and resuming normal circulation
- Before cleaning: 7 days

Viscosity*
81 ± 3 Krebs units

Density*
1.25 g/mL

Solids in Volume*
30.84%

Flash Point*
Not applicable

Inflammability
Nonflammable

Certifications*
VOC method ASTM D3960-05: 103.82 g/L
Canadian environmental VOC standards: < 250 g/L

*Technical data source: 132-100

AkzoNobel guarantees the quality of its products. They are in conformity with the description provided in the technical data sheets and on the labels for which they are intended, as indicated by the company. However, since the manufacturer has no control over the circumstances, the methods and the conditions appropriate to their intended uses, this guarantee applies only to the high quality of Sico products.

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 it has previously been 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, use the wet sanding method. 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.
- On bare wood, seal knots with Polyprep 205-112 sealer. On previously painted or stained surfaces, use Polyprep 2 if knots are apparent.
- No primer is required. However, apply a GoPrime 180-135 solvent-based base coat if you choose to apply a light or pastel color on woods that have a high content of natural colorants, such as cedar and sequoia. Make sure that both base coat and stain originate from the same manufacturer. Otherwise, a loss of adhesion could result. Before applying the base coat, cover or mask surfaces that you do not wish to stain. Consult you retailer for additional information.

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 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 prescribed drying time before covering. Make sure application is completed 5 to 6 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 3 to 7 days 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.