Technical Data Sheet
CETOL® - SRD
SIKKENS CETOL SIK77000

Water-based product, flat finish

Product Description

SIKKENS® CETOL® Waterborne SRD is a one-coat, waterborne translucent exterior wood finish for use on a variety of wood surfaces. The hybrid formula is designed to give the advantages of both an alkyd and acrylic. CETOL Waterborne SRD contains an optimal amount of translucent iron oxide pigments and UV light stabilizers.

Recommended Uses

New and maintenance work.

Residential and commercial sites.

Vertical and horizontal surfaces: Wood Siding, Rails, Decks, Shakes and Shingles, Outdoor Furniture, Fences, Docks and Logs.

Exterior only.

Surfaces

New or bare wood, including cedar, pine and spruce. Surfaces previously coated with a semi-transparent stain and exposed to climatic conditions for more than a year.

Features & Benefits

- Provides superior wood surface penetration, colour retention and adhesion.
- One coat application is easy to use and clean up.
- High quality translucent iron oxide pigments offer excellent UV protection and wood clarity.
- Available in eight colours.
- Allows an easy tool clean-up with water.
- Low VOC content complies with the Canadian Volatile Organic Compound (VOC) Concentration Limits for Architectural Coatings Regulations requirements.

Colour Range

Tint only with SIKKENS CETOL Waterborne SRD pigments specifically developed for the Cetol WB SRD base.

- 005 Natural Oak
- 009 Dark Oak
- 045 Mahogany
- 072 Butternut
- 077 Cedar
- 078 Natural
- 085 Teak
- 996 Natural Light

Characteristics (21°C (70°F))

Appearance	Translucent
Finish	Flat finish
Composition	• Diluent: Water • Binder: Alkyd polymer emulsion
Flammability	Non flammable
Flash Point*	Not applicable
Viscosity*	Ready to use (67 ± 5 Krebs Units)
Density*	1.0 ± 0.1 kg/L
Solids by Weight*	22%
Solids by Volume*	19%

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: < 150 g/L

Canadian regulation: < 250 g/L

*Technical data source: SIK77000

Recommendations

Tools • Paintbrush: Synthetic bristles (nylon, polyester).

Spreading Rate per Coat

- Smooth Wood: 28 to 37 sq. m/gal (300 to 400 sq. ft./gal)
- Rough Wood: 14 to 18.5 sq. m/gal (150 to 200 sq. ft./gal)

■ Vary due to application methods.

■ Vary due to the porosity and roughness of the wood.

Cleaning

Remove as much product quantity as possible and clean tools with warm water and soap immediately after use. Clean spills right away with a damp cloth.

Drying Time*

- Touch dry: 2 to 4 hours
- Prior to withstanding rain: 5 hours
- Prior to light circulation: 24 hours

When relative humidity is higher than 50%, double the required drying time.

Application Conditions

Temperature: 10 to 32°C (50 to 90°F)
(ideal 20°C ± 5°C [68°F ± 9°F]).
Relative humidity: Ideal between 15 and 50%, maximum 65%.
Do not apply when dew is present. Do not apply under direct sunlight, on a warm surface or during windy conditions.
Do not apply if lower temperatures are expected within 3 to 6 hours.
Do not apply when rain is expected within 5 hours.

Notes

The moisture content of wood must be below 20%.

Previous coatings must be removed prior to the application.

Do not use as a primer.

Not to be used on torrefied wood.

This product is not to be mixed with other products.

Surface Preparation

Surfaces must be clean, solid, dry and free from dust, dirt, mildew, chalking, pre-existing finishes, and other foreign substances, contaminants and natural extractives. Follow the preparation steps, as described below:

► PREVIOUSLY COATED SURFACES:
• Previous coatings must be removed prior to the product application.
- For chemical removal recommendation, call 1-866-SIKKENS.
• Wood must be to the point of absorbing water for stain to penetrate properly.
• For vertical surface applications, fill all joints, cracks and nail holes with a high quality polyurethane or acrylic caulk/filler and let cure prior to applying the product.

► NEW, WEATHERED AND UNCOATED WOOD SURFACES:
• New pressure-treated wood requires a 6 week drying period prior to application.
• Water repellent treated wood requires one year of weathering prior to application.
• New rough sawn wood less than 4 weeks old should be dry brushed using a brush with stiff bristles to remove loose dirt and fibers.
• Follow standard preparation procedures, if exposure has been longer than 4 weeks or dirt and debris remain visible.
• Spray all other wood surfaces with clean water, completely wetting the wood.
• Generously apply a cleaning solution (4 ounces of powdered Tri-Sodium Phosphate (TSP) or phosphate-free substitute with one litre of liquid bleach and 3 litres of water) to the wood surface with a garden pump sprayer or a heavy nap roller cover.
• Let the solution dwell on the wood for 15 to 20 minutes as you scrub the surface with a hard bristle brush to help remove mill glaze and/or weathering.
• DO NOT ALLOW SOLUTION TO DRY ON THE WOOD SURFACE.
• Power wash cleaning solution from the wood with plenty of clean fresh water using 500-800 psi with the nozzle 8 to 12 inches from the surface for full effectiveness of the cleaning and to prevent any damage to the wood.
• Weathered gray wood, wood affected with blue fungi or rust from nails may be treated, after cleaning with the TSP solution, by applying a solution of 115 g of oxalic acid crystals in 4 litres of warm water.
• This solution should be allowed to sit on the affected area for 15 to 20 minutes before the final rinse with a power washer.
• DO NOT LET THE SOLUTION TO DRY ON THE WOOD SURFACE.
• Allow the surface dry for 48 hours before applying coating.
• Scuff sand any glossy patches with #80 to 120 grit sandpaper for vertical wood surfaces and #60 to 80 grit sandpaper for horizontal surfaces after cleaning.
• For optimal performance and appearance on new cedar decks, mechanically sand with #60 to 80 grit sandpaper.
• Precaution: Dry sanding, flame cutting and/or welding of dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.
• Always sand in the direction of the wood grain.
• Remove sanding dust.
• CETOL WB SRD should be applied within one week of preparation for horizontal surfaces (decks) and within 4 weeks for vertical surfaces (siding).
• For application on exotic hardwood, wipe the surface with acetone immediately prior to application.

► Once the surface is free of any contaminant, apply the product under the conditions of application recommended.
► Wait 16 hours after light rain and 24 hours after moderate or heavy rain or pressure jet washing.

Notice:
Moisture content of wood must be lower than 20% during application.
When pastel shades are applied to wood with extractives such as cedar or redwood, it may be stained.

TINTING:

Tint ONLY with SIKKENS® CETOL® SRD colourants specifically developed for the Cetol SRD tintable base.

1. Shake vigorously and pour the appropriate sized colourants container into the appropriate sized Cetol SRD 77000 base.
2. Secure base container lid.
3. Shake 3 minutes.
4. Apply peel-off label from colourants container and place on the lid of tintable base.

It is recommended to perform a one-coat colour and sheen test on a sample of the wood. Colour can vary with application, porosity and type of wood.

• Intermix batches to ensure colour consistency.

DISPOSAL OF COLOURANT CONTAINER: Contains no chromium, lead or mercury. Place opened empty containers in normal refuse for disposal. Do not empty into drains.

Application

This is a ready-to-use product, do not thin. Stir thoroughly the product before and during application.

Pour the quantity of stain needed into another container to avoid contaminating the original container. Keep containers closed when

not in use.

- Apply one coat to properly prepared surfaces.
- Saturate all end grains, nail holes, cavities, and cracks in the wood.
- Brush on a liberal coat and maintain a wet edge to prevent lap marks.
- Brush in the direction of the wood grain starting at one end of the wood and continuing to the other end.
- On vertical surfaces the product should be applied from the top down.
- Do not use this product as a primer for other SIKKENS products.

Wait 24 hours before replacing furniture on the deck.

For more information on application methods, visit the website at www.sikkens.ca or call our customer service: 1-800-463-7426.

Systems recommendation according to surfaces

Siding, Rails, Decks, Shakes, Shingles, Outdoor Furniture, Fences, Docks:

- If possible, back-prime the wood with one coat. Do not apply a second coat on horizontal surfaces (decks, docks, etc.).

Green, Wet, or Pre-Treated Logs:

- These types of log have moisture content greater than 18%.
- Therefore, it is recommended to apply SIKKENS Log Pre Treatment and allow a six month drying period.

Kiln-dried or Air Dried Logs:

- Normal moisture content of this type of log is 18%.
- If the moisture content of the logs is unknown, follow the application procedure for green, wet or treated logs.

Application over Borate Treatments:

- Do not apply the product over a fresh, borate-treated wood surface.
- Allow the borates to diffuse into the wood cells by allowing a 6 month exposure time before application of the product.
- To prevent borates bleeding of the exterior surface, we recommend the application of SIKKENS Log Pre-Treatment over the borate treatment.
- Before the application of SIKKENS Log Pre-Treatment, allow the borate treatment to dry for at least 3 sunny days.
- Just prior to the application of the system, the surface must be cleaned thoroughly according to the SIKKENS preparation procedures.
- When borate treatments are applied, it is always advised to follow the manufacturer's recommendations.

Surface Maintenance

- Maintenance should be performed when visually necessary.
- Weathering, exposure conditions, altitude and applications can vary and maintenance should be performed, when visually necessary.
- Before application of a maintenance coat, prepare the surface using the previously mentioned cleaning solution.
- Let the surface dry for 48 hours after power washing.
- Apply one coat of the product.
- Areas that have minimum wear should be coated lightly.
- Hardwood surfaces may require more frequent maintenance.

Safety Measures

Read the Material Safety Data Sheet. Avoid contact with eyes. Keep out of reach of children.

FIRST AID TREATMENT: If in contact with eyes, flush thoroughly with clear water. If swallowed, do not induce vomiting. Call poison centre or physician immediately.

Storage and Transportation

Keep in a dry and ventilated area, between 10 and 30°C (50° and 86°F).
AVOID FREEZING.
Shelf Life: 5 years, unopened stored away from excessive heat/direct sunlight.

PRODUCT DISCLAIMER

Akzo Nobel Canada Inc. guarantees performance of its products to its intended use if properly applied in accordance with the label directions and the specifications of the technical data sheet. Having no control over the application methods and conditions or the circumstances related to its use, no other guarantee, expressed or implied, statutory or otherwise is given. We shall not be responsible for any indirect, consequential or other damages.

This technical data sheet, No. SIK77000, replaces all earlier versions.

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