

General Description

Cetol 1_{RE} is a premium protective translucent exterior wood coating, to be used generally with Cetol 23 Plus_{RE}. Its superior oil alkyd formulation offers excellent penetration and adhesion to vertical wood surfaces.

Recommended Uses

Used as the first (and possible second) coat for the Cetol 1_{RE}/Cetol 23 Plus_{RE} protective systems. May also be used on its own as a 3-coat system for specific purposes (i.e. outdoor furniture and fences).

May be used on:

- Siding
- Doors
- Log homes
- Fences
- Trim
- Garage doors
- Window frames
- Outdoor furniture

Features and Benefits

- **Translucent Iron Oxide Pigments:** Improved clarity and colour retention; protection from *graying*.
- **Alkyd/Oil Blend:** Excellent penetration, flow and durability.
- **Microporous:** Allows the wood to breathe, minimizing peeling and blistering.
- **Translucent Film Finish:** Offers a satin sheen.

Colour Range and Packaging

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

3.79L (U.S. Gallons): 005, 009, 045, 072, 077, 078, 085, 996

18.9L (U.S. 5 Gallons): 005, 072, 077, 078, 085, 996

Shelf Life: Approximately 5 years in its unopened container.

Product Data

Gloss: Satin

Viscosity Poise: 18 to 25 seconds
Ford Cup 4 / 23°C (73.4°F)

Weight per Gallon: 0.91 to 0.94 kg/L

Solids by Weight: 62.0 to 64.5%

Solids by Volume: 53.5 to 55.5%

VOC: <350 g/L

Application

Method: Long-haired, natural bristle brush. Spray or roller not recommended.

Surface & Air Temp: 10° to 35°C (50° to 95°F)

Thinning: None; ready to use after stirring well.

Coverage: Smooth wood: 6.1 to 8.6 Sq m/l
250 to 350 Sq ft/gal
Rough wood: 5 to 7.5 Sq m/l
200 to 300 Sq ft/gal

Clean up: Mineral Spirits

Drying Time: Touch-dry: 4 to 6 hours
Before recoating: 24 hours at 20°C (68°F) and 65% relative humidity.
The dry time period should be extended if temperatures goes below 10°C (50°F) or in conditions of high humidity.

Note: During application, moisture content of wood substrate should not exceed 18%. Do not apply when rain, dew, or frost are forecast within 5 hours of application.

Preparation Procedures for New, Weathered and Uncoated Wood:

The best method to prepare vertical wood surfaces is to sand with 80 to 120 grit sandpaper. However, the following preparation may be used as an alternate to sanding. Spray the surface with clean water, wetting the wood. Clean the surface with a solution of 115 g (4 oz) of Tri-Sodium Phosphate (TSP) or phosphate-free substitute in 3 litres of water plus 1 litre of liquid bleach. Apply this solution generously to the wood with a garden pump sprayer. Let the solution sit on the wood for 15 to 20 minutes. During this period, scrub the surface with a hard bristle brush to help remove dirt and mildew. Do not let the solution dry on the wood. Keep it wet. Power wash the cleaning solution from the wood with clean water. To prevent damaging the wood, do not exceed 500 psi. The nozzle must be a maximum of 30 cm (12 in) from the surface for full effectiveness. Let the surface dry for 3 sunny days before application (so the moisture content is below 18%). Fill all joints, cracks and nail holes with a high quality polyurethane or acrylic caulk and let cure prior to applying the coating system. Refer to caulk manufacturer for proper application.

Note: The colour on the caulking will be different from the colour on the wood.

For application on hardwoods, wipe the surface with acetone immediately prior to application. Rough-sawn wood with less than 4 weeks outside exposure should be dry brushed with a stiff bristle brush to remove loose dirt, fiber and debris. Follow standard preparation procedures if exposure has been longer than four 4 weeks or dirt and debris remain visible. New pressure treated lumber requires a 6 week drying period prior to application.

On previously coated wood, all old coatings must be completely removed before applying the first coat of any Cetol system.

Standard Application Procedure:

Cetol 1_{RE}/Cetol 23 Plus_{RE} System:

It is recommended to perform a 3-coat colour and sheen test on a sample of the wood to confirm desired colour and sheen. Colour can vary with application, porosity and type of wood. Intermix batches to ensure colour consistency. After preparation, apply 1 coat of Cetol 1_{RE} and 2 coats of Cetol 23 Plus_{RE} assuring a 24-hour dry time between coats. If possible, back prime with the first coat. During application, saturate all end grains, nail holes, cavities and cracks in the wood. Brush on a generous coat and maintain a wet edge to prevent lap marks. Brush in the direction of the wood grain, starting at one end of the board or log and continuing to the other end of the board or log. The first coat of any Cetol system should be applied from the bottom up to avoid drips. Follow recommended maintenance procedures and schedule.

Outdoor Furniture/Fence Application:

It is recommended to perform a 3-coat colour and sheen test on a sample of the wood. Since outdoor furniture and fences are considered to be in a high moisture environment, it is recommended to apply 3 coats of Cetol 1_{RE}, allowing a minimum of 24 hours dry time between coats. A maintenance coat of Cetol 1_{RE} is recommended every 1 to 2 years.

Log Application Procedure:

Kiln-dried or Air Dried Logs:

It is recommended to perform a 3-coat colour and sheen test on a sample of the wood. Generally, the moisture content of these logs is below 18%. However, some logs may have a moisture content higher than 18%. Therefore, it is recommended to apply Sikkens Log Pre-Treatment and then allow a 6-month drying period before applying 2 coats of Cetol 1_{RE} and 1 coat of Cetol 23 Plus_{RE}. Follow preparation procedure before applying first coat. During application, saturate all end grains, nail holes, cavities, and cracks in the wood. Brush on a generous coat and maintain a wet edge to prevent lap marks. Brush in the direction of the wood grain starting at one end of the board or log and continuing to the other end of the board or log. The first coat of any Cetol system should be applied from the bottom up to avoid drips. Follow recommended maintenance procedures and schedule.

Green, Wet, or Treated Logs:

It is recommended to perform a 3-coat colour and sheen test on a sample of the wood. These logs have a moisture content greater than 18%. Therefore, it is recommended to apply Sikkens Log Pre-Treatment and then allow a 6-month drying period. Then apply 3 coats of Cetol 1_{RE}. Wait 2 years and apply 1 coat of Cetol 23 Plus_{RE}. Follow preparation procedure before applying first coat. During application, saturate all end grains, nail holes, cavities, and cracks in the wood. Brush on a generous coat and maintain a wet edge to prevent lap marks. Brush in the direction of the wood grain starting at one end of the board or log and continuing to the other end of the board or log. The first coat of any Cetol system should be applied from the bottom up to avoid drips. Follow recommended maintenance procedures and schedule.

Application Over Borate Treatments:

Do not apply any Sikkens Cetol system over a fresh, borate-treated wood surface. To prevent borates from leaching out of the exterior surface, allow the borate treatment to dry for 3 sunny days and apply the Sikkens Log Pre-Treatment. Just prior to the application of the Cetol system, allow a 6-month exposure time. Then apply 3 coats of Cetol 1_{RE}. Wait 2 years and apply 1 coat of Cetol 23 Plus_{RE}. Follow preparation procedure before applying first coat. During application, saturate all end grains, nail holes, cavities, and cracks in the wood. Brush on a generous coat and maintain a wet edge to prevent lap marks. Brush in the direction of the wood grain starting at one end of the board or log and continuing to the other end of the board or log. The first coat of any Cetol system should be applied from the bottom up to avoid drips. Follow recommended maintenance procedures and schedule. When borate treatments are applied, it is always advised to follow the manufacturer's recommendations.

Maintenance Procedures:

Proper maintenance starts with visual inspection. A timeframe of 2 to 3 years on the south and west exposures and 3 to 4 years on the north and east exposures can be used as a general guideline. However, as weathering, exposure conditions, altitude and applications can vary from a place to another, maintenance may be needed sooner and should be performed when visually necessary, regardless of timeframe.

Before the application of a maintenance coat, prepare the surface using the previously mentioned cleaning solution but reduce the amount to 57 g (2 oz) of Tri-Sodium Phosphate (or phosphate-free substitute). Let the surface dry for 3 sunny days after power washing. Apply 1 coat of Cetol 1_{RE}, Cetol 23 Plus_{RE} or 1 coat of Cetol Maintenance_{RE}. Depending of the required system, please refer to the concerned product Technical Data Sheet for specific guidelines.

Health and Safety Data:

DANGER OF COMBUSTION. MAY IRRITATE EYES AND SKIN. Do not mix with any other cleaning product. Do not get in eyes or on skin or clothing. Keep away from flames or sparks. Keep out of reach of children. Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

Consult your municipality about proper disposal procedure of residue in accordance with the laws and respect the environment or give leftover stain to someone who could use it: a neighbour or friend, a recreational service or a non-profit organization. Do not pour leftover stain down the drain.

First Aid Treatment:

Contains Stoddard solvent. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, clean with mineral oil followed by soapy water then rinse well.

Refer to the Material Safety Data Sheet found on the Sikkens website (www.sikkens.ca) or by calling Sales and Technical Support at 1-866-SIKKENS (1-866-745-5367).

Product Disclaimer:

Akzo Nobel Canada Inc. guarantees performance of its product 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.

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