

<p><b>General Description</b></p> <p>Cetol 1 is a premium, translucent, exterior wood basecoat to be used with Cetol 23 Plus. Its superior oil alkyd formulation offers excellent penetration and adhesion to vertical wood surfaces.</p>	<p><b>Product Data</b></p> <p><b>Gloss:</b> Satin</p> <p><b>Viscosity Poise:</b> 14.5 - 16 seconds Ford Cup 4/23° C (73.4° F)</p> <p><b>Weight per Gallon:</b> 7.22 - 7.41 lb./gal.</p> <p><b>Solids by Weight:</b> 38 - 40.1%</p> <p><b>Solids by Volume:</b> 31.8 - 33.6%</p> <p><b>VOC:</b> 550 g/l</p>										
<p><b>Recommended Uses</b></p> <p>Used as the first and possible second coat for the Cetol 1/ Cetol 23 Plus system. May also be used on its own as a three (3) coat system for specific purposes (i.e. outdoor furniture and fences).</p> <p><b>May be used on:</b></p> <ul style="list-style-type: none"> <li>• Siding</li> <li>• Garage Doors</li> <li>• Entrance Doors</li> <li>• Trim</li> <li>• Window Frames</li> <li>• Outdoor Furniture</li> <li>• Logs</li> <li>• Fences</li> </ul>	<p><b>Application</b></p> <p><b>Method:</b> Long-haired natural bristle brush. Spray or roller not recommended.</p> <p><b>Surface &amp; Air Temp:</b> 50° - 95° F 10° - 35° C</p> <p><b>Thinning:</b> None; ready to use after stirring well.</p> <p><b>Coverage:</b> Smooth wood - 250 - 350 sq. ft./gal. 6.1- 8.6 m<sup>2</sup>/l Rough wood - 200 - 300 sq. ft./gal. 5 - 7.5 m<sup>2</sup>/l</p> <p><b>Cleanup:</b> Mineral Spirits</p> <p><b>Drying Time:</b> Touch-dry after four (4) - six (6) hours; re-coatable after minimum of 24 hours @ 68° F (20° C) and 65% relative humidity. At temperatures &lt; 50° F (10° C) or conditions of high humidity, the dry time will be extended.</p> <p><b>Note:</b> <b>During application, moisture content of wood substrate should not exceed 18%. Do not apply when rain, dew, or frost are forecast within five (5) hours of application.</b></p>										
<p><b>Features and Benefits</b></p> <ul style="list-style-type: none"> <li>• <b>Translucent Iron Oxide Pigments</b> - Improved clarity and color retention; protection from <i>graying</i></li> <li>• <b>Alkyd/Oil Blend</b> - Excellent penetration, flow, and durability</li> <li>• <b>Microporous</b> - Allows the wood to breathe, minimizing peeling and blistering</li> <li>• <b>Translucent Film Forming Finish</b> - Basecoat for the Cetol 1 and Cetol 23 Plus system which offers a satin sheen</li> </ul>											
<p><b>Color Range and Packaging</b></p> <table border="0"> <tr> <td>005 Natural Oak</td> <td>077 Cedar</td> </tr> <tr> <td>009 Dark Oak</td> <td>078 Natural</td> </tr> <tr> <td>020 Ebony</td> <td>085 Teak</td> </tr> <tr> <td>045 Mahogany</td> <td>996 Natural Light</td> </tr> <tr> <td>072 Butternut</td> <td></td> </tr> </table> <p><b>U.S. Quarts:</b> 005, 009, 020, 045, 072, 077, 078, 085, 996</p> <p><b>U.S. Gallons:</b> All colors except 020</p> <p><b>U.S. 5 Gallons:</b> 005, 072*, 077, 078, 085, 996 *Available in U.S. only</p> <p><b>Shelf Life:</b> Approximately five (5) years in an unopened container.</p>	005 Natural Oak	077 Cedar	009 Dark Oak	078 Natural	020 Ebony	085 Teak	045 Mahogany	996 Natural Light	072 Butternut		
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## Preparation Procedures for New, Weathered and Uncoated Wood:

The best method to prepare vertical wood surfaces is to sand with 80 - 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 four (4) ounces of 100% powdered Tri-Sodium Phosphate (TSP) or phosphate-free substitute plus one (1) quart of liquid bleach in three (3) quarts of water. Apply this solution generously to the wood with a garden pump sprayer. Let the solution sit on the wood for 15 - 20 minutes. During this period, scrub the surface with a hard bristle brush to help remove mill glaze and/or weathering. 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 one (1) foot from the surface for full effectiveness. Let the surface dry for three (3) days before application (i.e. the moisture content is below 18%). Weathered gray wood, or wood affected with blue fungi or rust from nails may be treated, after cleaning with the TSP solution, by applying a solution of four (4) ounces of oxalic acid crystals in a gallon of warm water. This solution should be allowed to sit on the affected area for 15 - 20 minutes before the final rinse with a power washer. Do not let the solution dry on the surface. After treatment, allow surface to dry for three (3) days. Fill all joints, cracks, and nail holes with a high quality polyurethane or acrylic caulk/filler and let cure prior to applying the coating system. Refer to caulk/filler manufacturer for proper application.

For application on hardwoods, wipe the surface with acetone immediately prior to application. Rough-sawn wood with less than four (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 six (6) week drying period prior to application. Water repellent treated lumber requires one (1) year of weathering 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 & Cetol 23 Plus System:

***It is always recommended to perform a three (3) coat color and sheen test on a sample of the wood. Color can vary with application, porosity and type of wood.*** Intermix batches to ensure color consistency. After preparation, apply one (1) coat of Cetol 1 and two (2) coats of Cetol 23 Plus assuring thorough dry time (minimum 24 hours) 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 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 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 which may streak on the surface below. Follow recommended maintenance procedures and schedule.

### Outdoor Furniture/Fence Application:

***It is always recommended to perform a three (3) coat color and sheen test on a sample of the wood. Color can vary with application, porosity and type of wood.*** Since outdoor furniture and fences are considered to be in a high moisture environment, it is recommended to apply three (3) coats of Cetol 1, allowing a minimum of 24 hours dry time between coats. A maintenance coat of Cetol 1 is recommended every one (1) – two (2) years.

## Log Application Procedure:

### Kiln-dried or Air Dried Logs:

***It is always recommended to perform a three (3) coat color and sheen test on a sample of the wood. Color can vary with application, porosity and type of 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 six (6) month drying period before applying two (2) coats of Cetol 1 and one (1) coat of Cetol 23 Plus. Follow preparation procedure before applying first coat of Cetol 1. During application, 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 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 which may streak on the surface below. Follow recommended maintenance procedures and schedule.

### Green, Wet, or Treated Logs:

***It is always recommended to perform a three (3) coat color and sheen test on a sample of the wood. Color can vary with application, porosity and type of wood.*** These logs have a moisture content greater than 18%. Therefore, it is recommended to apply Sikkens Log Pre-Treatment and allow a six (6) month drying period. Then apply three (3) coats of Cetol 1. Wait two (2) years and apply one (1) coat of Cetol 23 Plus. Follow the preparation procedure before applying the first coat of Cetol 1. During application, 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 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 which may streak on the surface below. Follow recommended maintenance procedures and schedule.

### Application Over Borate Treatments:

***Do not apply any Sikkens Cetol system over a fresh, borate-treated wood surface.*** Allow the borates to diffuse into the wood cells by allowing a six (6) month exposure time before application of any Cetol system. To prevent borates from leaching out 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 three (3) good, sunny days. Just prior to the application of the appropriate Cetol system, the log 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.

## Maintenance Procedures and Schedule:

Proper maintenance starts with visual inspection. A timeframe of two (2) – three (3) years on the south and west exposures and three (3) – four (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, maintenance may be needed sooner and should be performed when visually necessary, regardless of timeframe.

Before application of a maintenance coat, prepare the surface using the previously mentioned cleaning solution but reduce the amount to two (2) ounces of 100% powdered Tri-Sodium Phosphate or phosphate-free substitute. Let the surface dry for three (3) days after power washing. Apply one (1) coat of Cetol 23 Plus or one (1) coat of Cetol Maintenance. Please refer to the Cetol Maintenance Technical Data Sheet (TDS) for specific guidelines.

## Health and Safety Data:

***DANGER!*** RAGS, STEEL WOOL, BRUSHES, ROLLERS, AND ANY WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISPOSED OR STORED. To avoid a spontaneous combustion fire, immediately, after each use, place rags, steel wool, brushes, rollers, or waste in a sealed, water-filled metal container. Keep away from combustible materials. For disposal guidance, contact your local household refuse collection service, fire department, or local government environmental control agency. Harmful or fatal if swallowed. Keep out of reach of children. Keep away from open flame or sparks. Use only with adequate ventilation.

## First Aid Treatment:

Refer to the Material Safety Data Sheet found on the Sikkens website ([www.nam.sikkens.com](http://www.nam.sikkens.com)) or by calling Sales and Technical Support at 1-866-SIKKENS (1-866-745-5367).

## Product Disclaimer:

The technical information and suggestions for use made herein are based on Akzo Nobel Paints LLC research and experience, and are believed to be reliable. Such information and suggestions do not constitute a warranty. Since Akzo Nobel Paints LLC has no control over the conditions under which the product is transported, stored, handled, used or applied, buyers must determine for themselves, by preliminary tests or otherwise, the suitability of the product for their purposes.