CETOL 1 & CETOL 23 PLUS LOG HOME PREPARATION DETAILS

New or Weathered Wood

If the wood used in the project is new, it can have mill glaze / planers crush. If the wood used is weathered wood, it will have pollution, contaminates, or deteriorates on the surface. If the project is a log structure it may have some or the entire layer underneath the bark, called cambium, left on the wood.

The best method to prepare any wood surface is to sand it with 80-120 grit sandpaper for vertical surfaces, 60-80 grit sandpaper for horizontal areas (tops of handrails).

Rough-sawn wood should be dry-brushed using a brush with stiff bristles to remove loose dirt and fibers, then follow the preparation procedures listed below.

CLEANING RECOMMENDATION

An alternate to sanding for preparation is as follows:

1. Spray the surface with clean water, wetting the wood.

2. Clean the surface with a solution of four (4) ounces of 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.

3. 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 weather-ing. Do not let the solution dry on the wood. Keep it wet. (It's best to work with smaller manageable sections. Too large of an area can lead to the solution drying too quickly).

4. 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. Use of a home garden hose (approximately 60psi) is not suitable – proper power washing equipment must be used for maximum effectiveness.

5. Let the surface dry for three (3) good dry days before applying the coating.

If the wood is affected with blue fungi, rust or staining, after following the normal surface preparation, treat the surface with a solution of four (4) oz. of oxalic acid crystals in one (1) gallon of warm water. This solution should be allowed to sit on the affected areas for 15-20 minutes before the final rinse with clean water. Let it dry for three (3) good dry days before coating. Fill all joints, cracks and nail holes with a good quality polyurethane or acrylic filler prior to applying the coating.

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Previously Coated Wood

When using the Cetol 1 & Cetol 23 Plus, old coatings must be completely removed before application.

COATING REMOVAL

For complete removal of an old coating, follow one the methods listed below.

A

1. Sand the surface with 60-80 grit sandpaper to sand down to the bare wood. Always sand in the direction of the wood.
2. Remove all sanding dust and dirt by vacuuming or sweeping.

B

1. Use a wax-free chemical stripper, following the manufacturer's instructions, to strip down to bare wood.
2. Let the surface dry for three (3) good dry days before beginning to coat the wood. The wood must be completely dried out before coating (i.e. moisture content below 18%).

Application Do's and Do Not's

DO:

✓ Apply when surface & air temp is 50° to 95° F (10° to 35° C)	✓ Saturate all end grains	✓ Apply liberal coats	✓ Maintain a wet coat	✓ Apply in direction

DO NOT APPLY:

✓ In direct sunlight	✓ When surface is hot to touch (over 95° F / 35° C)	✓ When dew or frost is present	✓ In wet weather	✓ If moisture cotent of the wood is over 18%

Color check
It is always recommended to do a full coating system color test on a sample of wood that will be used in the project. This will ensure that the desired color is achieved.

Batch check
To ensure color consistency throughout a project, it is always recommended that an identical product batch number be chosen for the job. If different batch numbers exist, mix all batches together for color consistency.

Tools
Apply Cetol 1 & Cetol 23 Plus with a long-haired natural bristle brush. The first coat in the system must always be brush applied. The second or third coat can be spray applied. Spraying is only recommended with Cetol 23 Plus. Please contact the Decorative Technical Department of Akzo Nobel regarding spray application.

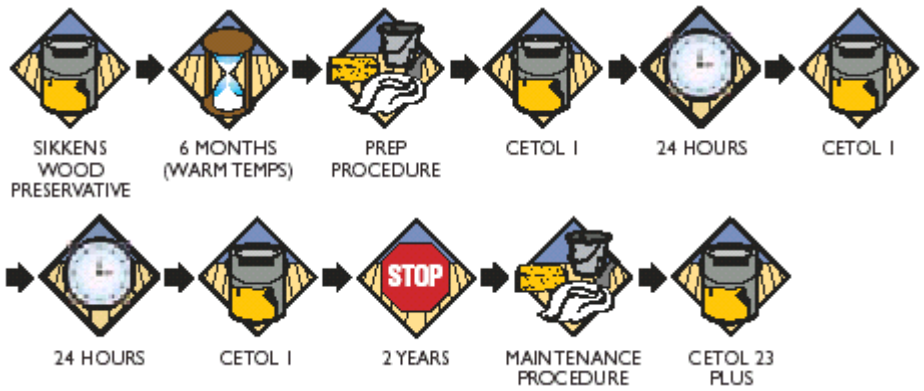
Back Priming
For all products, application of one coat to all sides of the boards is the best recommendation to prevent excessive moisture intake in the wood, which may result in coating failure.

Timing
The full Sikkens siding system should be applied within four (4) weeks, once the surface has been prepared.

Bad/Wet Weather
Do not apply finishes, especially deck products for at least 72 hours following any precipitation (rain, dew, or frost etc.).

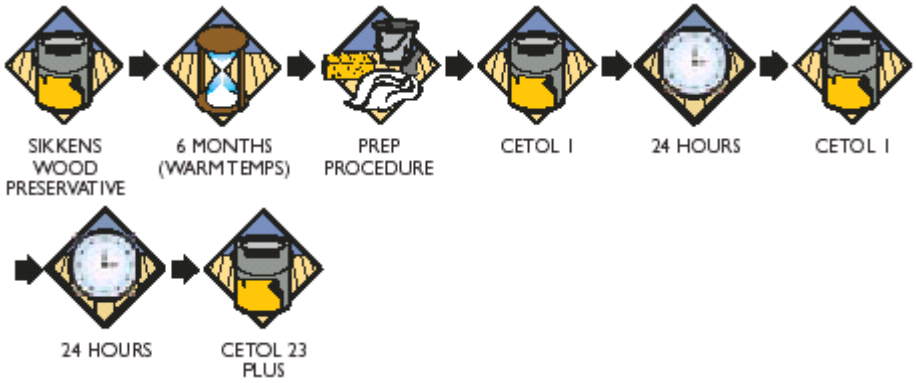
CETOL 1 & CETOL 23 PLUS LOG HOME APPLICATIONS

CETOL 1 & CETOL 23 PLUS - TRANSLUCENT SATIN FINISHES
GREEN,WET,TREATED LOG SYSTEMS



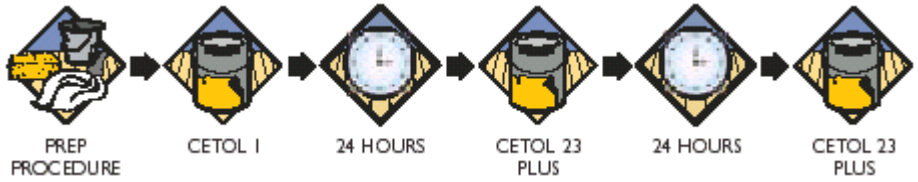
Maintenance
Recoat the log home every two (2) to three (3) years on the south & west-facing or heavily exposed areas. North & east facing or sides receiving less exposure should be maintained every three (3) to four (4) years. Before applying the maintenance coat, follow the maintenance preparation procedures.

CETOL 1 & CETOL 23 PLUS - TRANSLUCENT SATIN FINISHES
KILN & AIR-DRIED LOGS



Maintenance
Recoat the log home systems every two (2) to three (3) years on the south & west-facing or heavily exposed areas. North & east facing or sides receiving less exposure should be maintained every three (3) to four (4) years. Before applying the maintenance coat, follow the maintenance preparation procedures.

CETOL 1 & CETOL 23 PLUS - TRANSLUCENT SATIN FINISHES
SEASONED & COMPLETELY DRIED LOGS



Maintenance
Recoat the log home every two (2) to three (3) years on the south & west-facing or heavily exposed areas. North & east facing or sides receiving less exposure should be maintained every three (3) to four (4) years. Before applying the maintenance coat, follow the maintenance preparation procedures.

Maintenance Preparation Procedures

Maintenance depends on the location of the project, the wood construction and many other variables. Therefore, use the following maintenance schedules as a guideline. Every year an inspection should be made for signs of wear and tear. Before applying the maintenance coat, always clean and prepare the surface as follows:

1. Spray the surface with clean water to wet the wood.

2. Clean the surface with a solution of two (2) ounces (four (4) ounces for maintenance of Cetol SRD) of Tri-Sodium Phosphate (TSP) or a phosphate-free substitute plus one (1) quart of liquid bleach in three (3) quarts of water. Apply this solution with a garden pump sprayer to the surface.

3. Let the solution sit on the wood for 15-20 minutes. Do not let the solution dry on the surface.

4. Power-wash the cleaning solution from the surface 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. Use of a home garden hose (approximately 60 psi) is not suitable – proper power washing equipment must be used for maximum effectiveness.

5. Let the surface dry for three (3) good dry days.

6. Proceed with application of the maintenance coat.