



Revision: 12-19-23

AquaFinish 1K

Water based Urethane Protective Coating

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

AquaFinish 1K is a high-performance water-based polyurethane coating. Product is specially formulated for commercial and institutional floors. Product is a coating that offers supreme air- dry resistance. AquaFinish 1K enhances the beauty of wood and your epoxy coatings without yellowing. It also provides additional protection to your existing epoxy coating systems.

Furthermore, Product has excellent mechanical and chemical properties, making it an ideal choice for applications requiring increased resistance. The product offers adequate working time, making application easier. Product is self-priming, so no additional primer is needed. The formulation of Product is based on the latest technological advancements, offering excellent properties and impeccable aesthetic finish.

Product protects and seals your wood floors or any other existing surface coated with an epoxy coating. Product is a transparent coating offering superior resistance and is a perfect solution to add value to your floors.

SAFETY WARNING

- Some people may be allergic to polyurethane-based coatings and epoxy resin.
- Protective gloves, facial and eye protection, adequate ventilation, and appropriate clothing are recommended.
- Avoid skin contact.
- Protective gloves, facial and eye protection, adequate ventilation, and clothing are recommended.
- In case of contact with eyes or skin, rinse thoroughly with water for 15 minutes.
- In case of inhalation, move the affected person to fresh air.
- In case of ingestion, call a doctor. Do not induce vomiting.
- If the person is conscious, give them a few glasses of water to drink and contact the poison control center.
- Keep out of reach of children.
- Emergency phone number: CANUTEC (613) 996-6666.

— **KEEP OUT OF REACH OF CHILDREN**

— **FOR COMMERCIAL & INDUSTRIAL USE ONLY**

Disclaimer: The Information, and in particular, the recommendations relating to the application and end-use of Specialty Products Development Group products, are given in good faith based on Specialty Products Development Group's current knowledge and experience of the products when properly stored, handled, and applied under normal conditions, within their shelf-life. In practice, the differences in materials, substrates and actual site conditions

are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product Technical Data Sheet for the product concerned, copies of which will be supplied on request. It exhibits excellent physical properties.

ADVANTAGES

- Supreme Resistance • Slip Resistance (ASTM D-2047) • 3 Finishes (Matte-Satin-Gloss) • High Abrasion Resistance • Easy Maintenance • Low VOC Content • Easy Installation • Non-flammable • No NMP • Mold Resistant • Best UV Resistance in the Industry • Safe for Food Contact • Excellent Elongation • Solvent-Free

APPLICATIONS

- Residential
- Commercial
- Institutional
- Living Rooms
- Dining Rooms
- Vestibules
- Stairs
- Playrooms
- Countertops
- Tables
- Restaurants
- Retail Stores
- Shopping Malls
- Offices
- Hotels
- Schools
- Gymnasiums



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PRODUCT ATTRIBUTES

Coverage per quantity

Coverage rate:

Quantity	1 Gal / 3.78 L
Coverage	Between 500-600 sq. ft

PRODUCT DATA

Data	Values
Color	Clear
Reflection rate	Gloss = 60% / Satin = 40% / Matte = 5%
Odor	Low and non-offensive
Drying times*	
Touch	1 hour
Recoat	3 to 4 hours (with ventilation) 6 to 8 hours (without ventilation)
Light traffic	4 to 6 hours (with ventilation) 12 to 24 hours (without ventilation)
Furniture	24-48 hours (with ventilation) 72 hours (without ventilation)
Full cure	7 days
Catalyzed Mix Life	12 hours
Chemical resistance	Excellent
Taber Abrasion Test Mass Loss	8 mg (ASTM D4060 with CS-17 abrasive wheel)
Flash Point	N.D.
Solids Content	30% (by weight) - 27% (by volume)
pH	8.2 ± 0.4
VOC Content	272 g/L
Viscosity	23 to 25 seconds (Zahn #2)
Density	1.04 - 1.05 kg/L
Freeze-Thaw Stability	Susceptible to freezing
Shelf Life	12 mths (when stored in original container)
Tool Cleanup	Water
Storage	Between 10°C and 30°C (50°F and 85°F)
Disposal	Recycle if possible (Consult your local authorities) Meets standards
USDA / FDA / CFIA	

*Drying times may vary depending on temperature, humidity, thickness, and application method. Adequate testing is recommended.
**Temperature between 21°C and 25°C (70°F and 77°F). Relative humidity between 35% and 50%

SYSTEM APPLICATION

Commercial — High/Traffic Intensive: 3 coats
Residential — High Traffic: 3 coats
Restoration — High/Medium Traffic: 2 coats
Protection — Medium/Light Traffic: 1-2 coats

SURFACE TESTING

All surfaces are not the same. It is recommended to create a sample area before starting the project. A sample area should also be done on all existing coatings and/or substrates to determine if there are contaminants or if delamination will occur.

SURFACE PREPARATION

For a surface coated with epoxy, ensure that the surface is cured, dry, and the work has been done according to the coating used. Before applying the coating, all surfaces must be:

- Dry - No wet areas (<4%)
- Clean - Free of any contaminants, grease, oil, paint, curing agents, dust, loose coating, and remove any other contaminants that could prevent good adhesion.

MIXING

1. Shake the gallon well.
2. Open it and mix with a drill for 2 minutes.
3. Close the container again and wait for 8 to 10 minutes.
4. Pour it into a pan, and it's ready to use.

APPLICATION INSTRUCTIONS

For best results, turn off all ventilation in the room. If ventilation cannot be turned off, block all ducts to minimize air movement in the room.

1. Remove dust with a vacuum cleaner or damp towels and hot water and/or denatured alcohol and/or isopropyl alcohol.
NOTE: Sanding is not necessary before the final coat if the time between the last two applications does not exceed 4 hours.
2. Wash tools with water.
3. Pour product into a paint tray and soak the roller.
4. Apply product by rolling evenly (East/West and North/South). To avoid application marks, DO NOT apply pressure on the roller and smooth marks and lines as you go using a flying motion.
5. Continue this way over the entire surface.
6. Using the roller, remove excess coating and finish the application by smoothing marks and lines.
7. Wait 3-4 hours of drying time between coats (may vary depending on ambient conditions and whether the catalyst is used*).
8. Remove dust with a vacuum cleaner or damp towels and hot water and/or denatured alcohol. Do not sand before the final coat if the time between the last two applications does not exceed 48 hours.
Clean tools with water.



U.S. RESIN SUPPLY
& MANUFACTURING

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DRYING AND CURING TIMES

The curing process takes approximately

100% cure: 7 days
90%: after 48-72 hours
75%: after 24 hours

- To optimize the coating's performance, it is important to wait for full curing before performing the first wet cleaning.
- After 4 hours of drying, light pedestrian traffic is allowed.
- Wait 7 days before replacing carpets and rugs.
- It is possible to have traffic after 24 hours, but the floor may scratch or mark.

The maturation process must be respected.

Drying and curing times mentioned in this document may vary depending on application conditions: lower temperature, higher humidity, or a greater product thickness on the floor may slow down the drying and curing processes and change its intended finish (milky, orange peel, etc.).

MAINTENANCE AND PREVENTION

Use protective felt pads under furniture to prevent scratches. Do not slide or drag furniture on the floor. Use Kevlar wheels for carts and chairs. Vacuum or sweep regularly. Use mild, non-abrasive cleaning products specially designed for coated and/or wooden floors.

PRODUCT RESULT LIMITATIONS

- Do not use product that has begun to harden.
- Do not use at low temperature.
- Do not apply more than 8 Mils thick.
- Do not use crystallized material.
- Do not use in high humidity conditions.
- Not designed for wet areas (showers, sinks, etc.).
- Not designed for vehicular traffic.
- The curing time of this product will depend on the thickness.
- Curing times can vary significantly depending on the amount poured

at once, temperature, humidity, and application method.

- If applied at low temperatures, the product may not cure properly. We strongly recommend performing tests before carrying out the work.
- In direct contact with a heat source, heating the product to avoid bubbles could also create an exothermic reaction.
- Requires a dry substrate. This product should not be applied to substrates with high levels of moisture/humidity. The moisture content of the substrate must be <4% before application.
- Not suitable for outdoor applications.

WARRANTY

Specialty Products Development Group products are guaranteed for one year from the date of application. Please refer to Specialty Products Development Group for additional details.

DISPOSAL

Excess material should be mixed and allowed to harden. Hardened product can be disposed of without restriction. Unhardened materials should be stored in an appropriate container and sealed and can be disposed of in accordance with provincial, municipal, and/or federal regulations.



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