U.S. RESIN SUPPLY · BUILT FOR INSTALLERS

AQUAFINISH™ 1K

WATER-BASED URETHANE PROTECTIVE COATING



1K (MONO) COMPONENTS

GLOSS · SATIN · MATTE FINISHES

UP TO 165 FT²/L COVERAGE

3-4 HOURS RECOAT



FINISHED FLOOR



METALLIC FINISH

PRODUCT DESCRIPTION

AQUAFINISH™ 1K is a high-performance water-based polyurethane coating. It is specially formulated for commercial and institutional floors and 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.

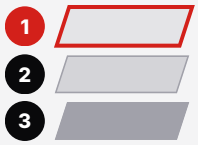
Furthermore, AQUAFINISH™ 1K has excellent mechanical and chemical properties, making it an ideal choice for applications requiring increased resistance. The product offers adequate working time, making application easier. It is self-priming, so no additional primer is needed. The formulation of AQUAFINISH™ 1K is based on the latest technological advancements, offering excellent properties and an impeccable aesthetic finish.

AQUAFINISH™ 1K protects and seals your wood floors or any other existing surface coated with an epoxy coating. It is a transparent coating offering superior resistance and is a perfect solution to add value to your floors.

ADVANTAGES

- Supreme resistance
- Slip resistance (ASTM D2047)
- 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

TYPICAL SYSTEM BUILD



Top to bottom. Highlighted layer = this product. Confirm system design with your U.S. Resin Supply representative.

APPLICATIONS

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

PRODUCT ATTRIBUTES

Coverage rate: Up to 165 sq. ft. (15 m²) per liter.

QUANTITY	3.6 L	18 L	207 L
Coverage (sq. ft.)	Up to 600	Up to 3,000	Up to 34,400

PRODUCT DATA

Color	Clear
Reflection rate	Gloss = 60% / Satin = 40% / Matte = 5%
Odor	Low and non-offensive
Drying times* — Touch	1 hour
Drying times* — Recoat	3 to 4 hours (with ventilation) / 6 to 8 hours (without ventilation)
Drying times* — Light traffic	4 to 6 hours (with ventilation) / 12 to 24 hours (without ventilation)
Drying times* — 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 months (when stored in original container)
Tool cleanup	Water
Storage	Between 10°C and 30°C (50°F and 86°F)
Disposal	Recycle if possible (consult your local authorities)
USDA / FDA / CFIA	Meets standards

**Drying times may vary depending on temperature, humidity, thickness, and application method. Adequate testing is recommended. Test conditions: 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

Not all surfaces are 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 and dry, and that 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 and loose coating; 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 8 to 10 minutes.
4. Pour it into a pan; 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; 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. Clean tools with water.

DRYING AND CURING TIMES

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

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

The maturation process must be respected. Drying and curing times may vary depending on application conditions: lower temperature, higher humidity, or a greater product thickness may slow the drying and curing processes and change the 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 LIMITATIONS

- Do not use product that has begun to harden.
- Do not use at low temperature; if applied at low temperatures, the product may not cure properly. We strongly recommend performing tests before carrying out the work.
- 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.
- Curing time depends on thickness and can vary significantly with the amount poured at once, temperature, humidity, and application method.
- In direct contact with a heat source, heating the product to avoid bubbles could create an exothermic reaction.
- Requires a dry substrate: moisture content must be <4% before application.
- Not suitable for outdoor applications.

DISPOSAL

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

SAFETY WARNING

- Some people may be allergic to polyurethane-based coatings and epoxy resin.
- Avoid skin contact.
- Protective gloves, facial and eye protection, adequate ventilation, and appropriate 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.
- 24-hour emergency: +1 561-380-2282 · Transport emergency: CHEMTREC 800-424-9300.

- KEEP OUT OF REACH OF CHILDREN -

- FOR COMMERCIAL & INDUSTRIAL USE ONLY -

RECOMMENDED PPE



WARRANTY

U.S. Resin Supply & Manufacturing products are guaranteed for one year from the date of application. Please refer to U.S. Resin Supply & Manufacturing for additional details.

Disclaimer: The information, and in particular the recommendations relating to the application and end-use of U.S. Resin Supply & Manufacturing products, are given in good faith based on our 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 Technical Data Sheet for the product concerned, copies of which will be supplied on request.