

# Aqua 2K Matte Varnish

two-component, water-based, polyurethane varnish



## Description

The finish is only as good as its protection. Develine 2K Matte Varnish is a two-component, professional-grade topcoat engineered to seal and protect Develine microcement systems with a sophisticated, true matte aesthetic. Its catalyzed formula creates a hard, cross-linked film that resists abrasion, staining, and moisture without compromising the natural look of decorative concrete. Developed for contractor application, this varnish is the specified finishing layer for high-end residential and commercial installations where clients demand both enduring performance and an uncompromising low-sheen surface. A product as tough as it looks effortless.

## Advantages

- › Two-component catalyzed formula cures to a hard, cross-linked film with significantly greater durability, abrasion resistance, and chemical resistance than single-component topcoats
- › True matte finish is consistent and stable across the entire surface, with no hot spots, sheen variation, or gloss creep under UV or foot traffic over time
- › Excellent resistance to water, oil, food-grade acids, and common household and commercial cleaning agents. Specified for both residential and commercial environments
- › Optically clear formulation does not alter, yellow, or shift the underlying microcement color, preserving the exact aesthetic achieved during application
- › Suitable for use over all Develine microcement systems including RQ Super Fine, RQ Fine, RQ Regular, BC Fine, BC Regular, and EQ Super Fine
- › Professional contractor application recommended; mix ratio and pot life must be observed precisely for full cure and maximum performance

## Substrate Requirements

- › Substrate temperature must be a minimum of 50°F and relative humidity below 85% for proper curing.
- › Substrate must be free of dirt, waxes, curing agents and other foreign materials
- › Cure times will be extended in conditions of high humidity and poor ventilation

## Composition

Aqua 2K Matte Varnish is formulated based on aliphatic polyisocyanate.

## Color Selection

Aqua 2K Matte Varnish is available in CLEAR and limited pigmented formulations.

## Application

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in Duraamen's technical Bulletin #1. Work must be performed by trained or experienced contractors or maintenance personnel.

## Installation

Mix each component of Aqua 2K Matte Varnish prior to combining together. Mix 3.0kg Part A with 0.75kg Part B.

Mix only that amount of material that can be used in 60 minutes. In hot weather conditions, plan on working during the cooler times of the day. Always try to keep a wet edge during application.

For installation instructions specific to your project, please contact your Duraamen representative.

## Clean Up

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

## Coverage

Aqua 2K Matte Varnish covers 0.20 to 0.24 kg / m<sup>2</sup> / coat (175 to 200ft<sup>2</sup> / Kit / coat). Thicker applications may result in bubbling in the cured film. Recoat time is approximately 8–10 hours at 75°F. Application of at least two coats is recommended in most applications.

The coverage mentioned here is in laboratory conditions. Actual coverage may vary depending on the site conditions and the person applying the product

## Maintenance

After completing the installation, the applicator should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Aqua 2K Matte Varnish is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Treating the surface with a floor finish (Smartgard) is optional. Long periods of heavy traffic may cause wear patterns necessitating application of a finish coat. DO NOT leave any type of tape on the sealer for more than 5 to 10 minutes. Test first in an inconspicuous area for compatibility between the tape and the sealer.

## Technical Service

Duraamen Engineered Products Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

## System Performance Properties

Viscosity @ 75°F	500-600cps
Mixing Ratio - Clear	Mix 3.0kg Part A with 0.75kg Part B
Solids Content - Clear	43% by volume
VOC	0.10lb/ga
Pot life	60 minutes @ 75°F
Dry to Touch	5-6 hours @ 75°F
Re-coat	8-10 hours @ 75°F
Light Traffic	24 hours @ 75°F
Full Cure	5-7 days @ 75°F
Tabor Abrasion, 1000gm load, 1000cycles, CS-17 Wheel	45mg loss
Impact strength ASTM D 2794 Direct Reverse	160in.lbs 160in.lbs.

## Warranty

Information regarding Duraamen products is based upon extensive research provided by the supplier of the raw materials. By making such information available, Duraamen Engineered Products Inc. does not assume any liability beyond express terms of our standard limited material warranty. Duraamen Engineered Products does not warrant the accuracy or completeness of any such information, whether conveyed orally or in writing, but to the best of our knowledge believe it to be accurate. We reserve the right at any time and without notice to update or improve our products and process for the intended use or application. Duraamen Engineered Products (Duraamen) warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Duraamen. If any product fails to meet this warranty, the liability of Duraamen will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Duraamen within 1 (one) year of delivery of materials. Duraamen may in its discretion refund the price received by Duraamen in lieu of replacing the material. No customer, distributor, or representative of Duraamen is authorized to change or modify the published specifications of this warranty in anyway. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Duraamen reserves the right to inspect the non-conforming material prior to replacement EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR PURPOSE. DURAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DURAAMEN SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.