

TECHNICAL DATA

Product Description

Aisle Ease provides a highly cost-effective solution for floor safety markings in factories and warehouses. It is carefully formulated to eliminate downtime, allowing the return to foot traffic in as little as 90 minutes. The gloss sheen enhances the appearance of the marking and provides a cleanable surface reducing the need for recoating.

Intended Uses

Apply to:

- Interior/exterior surfaces
- Traffic aisles
- Staging areas
- Masonry surfaces
- Safety zones
- Walkways

Provides:

- Bright visible lines
- Resistance to dirt pick up
- Ease of cleaning
- Safety and awareness

The above are general recommendations and not intended to limit the use of Aisle Ease. Test areas are always recommended to confirm results.
NOT INTENDED FOR IMMERSION SERVICE.

Physical Properties

Resin Type	Acrylic Latex
Finish/Sheen	Gloss, 60+ @ 60°
Colors	White MC-1609, Yellow MC-3609
Solids by Weight	48%
Solids by Volume	38%
Theoretical Coverage*	616 ft ² /gal @ 1 mil
Dry Film Thickness / Coat	3.0–4.0 mils (75–100 microns)
Wet Film to Achieve DFT	8.0–10.5 mils (200–262.5 microns)
Coverage at DFT*	94–123 ft ² /gal, 4" Lineal Stripe 457–609 lineal feet per gallon
VOCs	1.25 lbs./gal (150 grams/liter) maximum
Reduction Solvents	DO NOT THIN
Clean-up Solvents	Water
Drying Time** [ASTM D1640]-83 reapproved 1989	Set to Touch: 30 minutes at 70°F (21°C) and 50% Relative Humidity Recoat: 30 minutes at 70°F (21°C) and 50% Relative Humidity Foot Traffic: 1.5 hours at 70°F (21°C) and 50% Relative Humidity Full Traffic: 12 hours at 70°F (21°C) and 50% Relative Humidity

* Coverage rates are estimates based on the products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

** Dry times vary with surface temperature, air movement, humidity and film thickness.

Performance Characteristics

Aisle Ease will meet or exceed the following performance testing criteria:

Test Name	Test Method	Results
Adhesion Testing	ASTM D 3359 Cross Hatch	Not less than 4B average
Pencil Hardness	ASTM D 3363	B
Flexibility	TT-P-1952E	Passes
Water Resistance	TT-P-1952E	Passes
Freeze-thaw	TT-P-1952B	Passes

TECHNICAL DATA**Surface Preparation**

All surfaces must be clean, sound, dry and free of all dirt, dust, wax, oil, grease, chalk and any other contamination that would interfere with new coating adhesion. Bare surfaces must be properly prepared prior to application of this product.

Masonry Surfaces: (Poured Concrete, etc.) New concrete must cure for a minimum of 30 days at 72°F (22°C) prior to coating application. Aisle Ease is self-priming on masonry surfaces.

For enhanced performance and adhesion, shot blasting or acid etching may be considered.

Shot Blasting: Shot-blasting equipment should be vacuum equipped to reduce amount of spent shot on floor. The profile produced should be uniform and the floor should be vacuumed after blasting to remove debris. Shot-blasting will also effectively remove previous paint films and curing compounds.

Acid Etching: Prepare a 1:1 solution of muriatic acid and water. Apply the solution to the floor; if the concrete does not react to the acid solution by bubbling vigorously, a curing compound may be present and the floor will need to be mechanically abraded by shot-blasting. Scrub the floor with stiff bristle brushes or power floor scrubber with an abrasive pad attachment until the bubbling reaction stops. Rinse the floor, preferably with high pressure water. If a high pressure rinse is not possible, rinse and remove water a *minimum* of three (3) times. **CAUTION! THE ACID SOLUTION AND/OR UN-NEUTRALIZED RINSE WATER MUST NOT BE ALLOWED TO FLOW INTO GROUND OR SEWER SYSTEM (DRAINS).**

Application

Stir material thoroughly prior to application. Minimum surface and air temperature required for application is 50°F (4°C) and at least 5°F (3°C) above the dew point. The coating may be applied to a slightly damp surface. Puddled water should not be present when applying the coating. Lower surface and air temperatures will slow the speed of dry. Surface temperatures below 70°F and/or relative humidity greater than 80% may require longer curing times prior to bearing traffic.

Brush or Roller: 2 coats may be required to achieve proper dry film thickness when using brush or roller application. Apply product in full even coats. Maintain a wet edge. Allow the product to dry between coats (see the drying times chart for recoat period). A good quality synthetic bristle brush will make application easier. Select a roller cover suited for the texture of the surface to be coated.

Airless Spray: Flush airless lines with water. Equipment must be clean prior to start.

Tip Orifice	Atomizing Pressure	Material Hose	Manifold Filter
0.013" to 0.015"	2300–2800 PSI	1/4" ID - 25' minimum length	60 mesh

Packaging**Shipping Weight**

Product	5 Gallon	Product	5 Gallon
Aisle Ease	5 Gallon pail	Aisle Ease	52.17 lbs. (23.66 kg)

Storage

One year from date of manufacture when maintained in protected area at a temperature of 40° to 100°F (4° to 38°C). Subject to inspection thereafter.

Safety Precautions

*WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Paint products contain chemical ingredients, which are considered hazardous. Prior to use, read container label warnings and the current Safety Data Sheet for important health and safety information. Ensure these instructions are practiced during product application and cure. **Keep out of the reach of children.**

Safety Data

“Safety Data Sheets” are available from your Diamond Vogel representative or the Diamond Vogel website at www.diamondvogel.com. Prior to use of this product, obtain and review the Safety Data Sheet for health and safety information. Read and observe all precautionary notices on container labels. **NOT INTENDED FOR RESIDENTIAL USE.**

TECHNICAL DATA**Limited Warranty**

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel's liability will under no circumstances exceed replacement of the product. **All technical information is subject to change without notice.**

Additional Information

Cautions and Warnings information is located on the back panel of each product label. For current information regarding VOC regulations for specific geographical regions, please contact Technical Service at Diamond Vogel Corporate Headquarters, (Contact information is located at the bottom of the page).