

APPLICATION INSTRUCTIONS

OVERVIEW:

Ride-A-Way™ coatings are advanced waterborne coatings that combine colorfast acrylic resins and an advanced epoxy modification to provide long lasting, color stable lane delineation. Ride-A-Way™ features anti-slip properties, specially designed to add friction for pedestrians and bicyclists without creating trip hazards. It has excellent adhesion and flexibility properties, and will not crack, peel or flake off the substrate. Ride-A-Way™ is extremely chemical resistant as it is impervious to gas, oil and de-icing agents. Ride-A-Way™ is recommended for long lane, no to low traffic delineation areas for preferential use, such as bike lane, bus lane, medians, no stopping areas and pedestrian zones.

EQUIPMENT:

The following items are needed during the different stages of application.

<u>Surface prep & layout</u>	<u>Mixing</u>	<u>Installation</u>
Stiff broom & Wire brush Blower / compressed air Measuring tape Chalk line & Marking crayons Utility knife Duct tape Roofing paper/masking board	High speed drill (with power source/spare batteries) Mixing paddles Water supply Small tarp Misc tools Clean empty pails	SB FLEX Spray System* (or other approved system) Air Compressor* (12-14 cfm @ 60-80 psi) Soft Bristle Brooms w/handles Thick nap rollers and cages w/handles

*Recommended when installing over 500 sqft

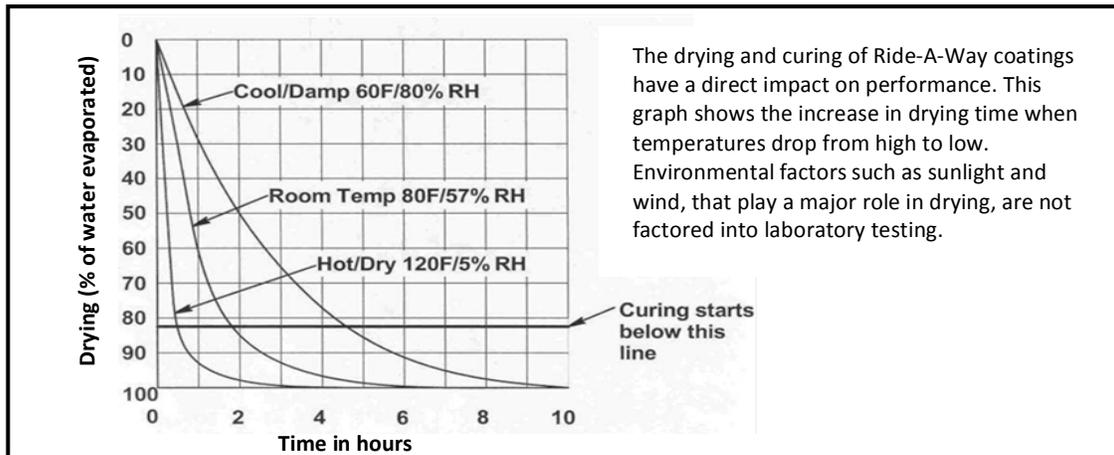
GENERAL REQUIREMENTS:

Substrate: Ride-A-Way™ coatings are designed for use on hot mix asphalt (HMA) surfaces but can be applied to non-bituminous concrete surfaces, such as portland cement concrete (PCC), with the use of a concrete primer. Pavement surface must be free of dirt, debris, moisture and other contaminants that will affect adhesion. Chemical contaminants, such as vehicle fluids, must be removed using a degreasing solution. Ensure all residues from the contaminant, as well as the degreasing agent, are removed. Any surface contaminants will negatively affect adhesion. Existing pavement markings within the application area may be removed by sandblasting, water-blasting, grinding, or other approved mechanical method. The removal method should, to the fullest extent possible, cause no significant damage to the pavement surface. The Owner shall determine if the removal of the markings is satisfactory for the application or Ride-A-Way™ coatings.

Material: Avoid extreme storage temperatures. Do not allow Ride-A-Way™ materials to freeze. Shelf life for Ride-A-Way™ coatings is 18 months. Material meets EPA requirements for Volatile Organic Compounds (VOC) and is environmentally safe.

Coverage: Ride-A-Way™ coatings are installed in thin layers, allowing each layer to dry to the touch in between. Actual coverage may be affected by the texture of the pavement substrate, but each mixed unit of Ride-A-Way™ coatings will cover approximately 175 sq. ft. (16.3 m²) using the recommended 4-layer system. While building the coating in layers, there will be less coverage with the first layer, and greater coverage with subsequent layers.

Temperature: Ambient air and surface temperature play a direct role in drying, curing and performance. Increased drying and curing times shall be expected at lower temperatures, and during high humidity, while shorter drying times are expected in higher temperatures with lower humidity. Optimal installation temperatures are between 70-90°F, with low humidity. Minimum air and substrate temperatures for installation are 50°F and rising, and not dropping below 50°F within 8 hours of application of the last layer of coating. No precipitation should be expected within 2 hours after the last layer of Ride-A-Way™ coatings are dry to the touch.



INSTRUCTIONS FOR APPLICATION:

1. **Surface prep:** Clean the intended application area thoroughly. All loose particles, dirt, sand dust, etc. must be removed. Sweep completely. Use a power blower or compressed air. Clean areas containing chemical contaminants such as vehicle fluids, using a degreasing solution. Proper removal of contaminants and degreasing solution are necessary well in advance of the application of Ride-A-Way™.
2. **Mask area:** Using duct tape, mask off the area to be sprayed with the Ride-A-Way™ coatings. Mask off areas where coatings or overspray is not desired, using duct tape with roofing paper, plywood masking boards or other suitable material. Vertical shielding using plywood masking boards or other suitable material is also recommended to contain overspray during windy conditions.
3. **Prime:** If necessary, apply the recommended Concrete Primer as per application instructions.
4. **Mixing:** Shake Part B and Colorant, to mix pigments/additives that may have separated, and add into Part A (pail). Using the empty Part B Container, add 1 quart (.95 liters) water to Part A pail. Dependent on temperatures, +/- ½ quart (.47 liters) can be used. For more info, see hot and cool weather warnings. Mix thoroughly for 3 minutes, creating a vortex in the bucket, using a high speed electric drill with mixing paddle. Properly mixed coatings will have no signs of color separation and very small amounts of aggregate settling.

Ride-A-Way Part A



Ride-A-Way Part B

Note: Mixed coatings containing Part A and Part B must be used within 24 hours.

5. Installation - Initial Layer:

- I. Small projects, by hand: Distribute initial layer of coatings to pavement using a soft bristle broom and / or long nap roller. Ensure a thin build with even distribution.
- II. Larger projects, using spray system: Prime recommended double diaphragm, air atomized spray system with water and add Ride-A-Way™ coatings. It is expected that operator will understand spray system and have extensive knowledge and training on system.

Hold the spray gun between 24" and 32" (60 – 80 cm) above the asphalt surface and apply the coatings using a circular movement. When applying the next transverse pass, allow for 2" (5 cm) overlap onto wet edge.

Using a soft bristle broom, evenly distribute the sprayed material to evenly distribute the coatings onto the surface. Brooming should follow as close as possible behind the sprayer.

Note: On hot days, coatings will set up very quickly. Avoid 'over working' material (excessive brooming/rolling of coatings after it has started drying), which will result in coating clumping together on the surface and create inconsistent textures. Please refer to the hot weather tips for more info.



Inconsistent texture from 'over working'

6. **Installation - Subsequent Layers:** Once dry to the touch, the next layer can be applied using the same procedure described above. There will be less coverage with the first layer and higher coverage with subsequent layers. Rolling the last layer will create more of a textured appearance, and increase slip/skid resistance of the coatings. Building Ride-A-Way™ up in four thin layers, allowing each layer to dry, will provide the best performance.

7. **Clean up:** Clean up tools and equipment with a generous amount of water, while coatings are still wet. Remove masking. Dispose of all contaminated materials in accordance with all applicable federal, state and local laws and regulations.

8. Open to Traffic: Keep traffic off 12-24 hours after the last layer is dry to the touch. Ambient and substrate temperature, sunlight, wind and humidity all affect moisture evaporation and therefore affect dry times. In general; warm, dry conditions decrease dry time while cool, humid temperatures increase dry times. The longer Ride-A-Way™ coatings can cure before being exposed to traffic, the better they will perform.

SPECIAL NOTES:

Cool Weather Tips: Cool temperatures will slow the rate of evaporation and curing of Ride-A-Way™ coatings, which could lead to premature wear or adhesion failure. Moisture needs to evaporate from the coatings in order to dry, and only after the coatings dry will they start to cure. Shorter days, wind, shaded areas, direct sunlight, cooler temperatures, morning dew and humidity all affect dry time. Tips and tricks:

- Pre-heated asphalt can improve dry times.
- Air flow and gentle heat can improve dry times.
- Add the minimum amount of water, as outlined in the mixing instructions
- Do not apply late in day. Application of coatings in the morning will allow more time for the material to dry throughout the day.

IMPORTANT: *If Ride-A-Way™ coatings are applied when moisture cannot evaporate, then the coatings will not dry. The drying and curing of Ride-A-Way™ coatings have a direct impact on performance.*

Hot Weather Tips: If Ride-A-Way™ coatings are applied in hot temperatures; the coatings can set up extremely quickly and will shorten handling and working times. Tips and tricks:

- Be aware of surface temperatures. Surface temperatures over 120F can cause coatings to flash dry and will shorten working time.
- Using cold mixing water will increase the working time of the Ride-A-Way™ coatings and may prevent blockages in the pump and hoses.
- Prime the spray system by running ice cold water through it first. This will help the coatings flow through the system without clogging.
- Apply coatings early in the morning - while it is cooler and the sun is not as intense.
- Keep the coatings out of direct sunlight before and during mixing.
- Mix only what you can use within 15 minutes.
- Don't over broom as it will cause the coatings to "ball up". To prevent clumping, broom only wet coatings immediately behind spray pass.
- Add the maximum amount of water as outlined in the mixing instructions.