



APPLICATION INSTRUCTIONS For Ride-A-Way™ Colorized Coatings

First-time applicators should contact Flint Trading, Inc. for product support and on-site training.

SURFACE APPLICATION, GENERAL REQUIREMENTS

- Equipment:** Rapid Sprayer II*
Rapid Spray Gun III Assembly*
Ride-A-Way™ coatings Mixer* or Jiffler mixing paddle* and drill
Five-gallon pail
Supply of fresh water
Duct tape
Plastic/paper/masking board
Blue Soft Bristle Brooms* and handles
Thick nap rollers
Air compressor: capable of supplying 12-14 cfm/0.3 cubic meters/min @ 60-80 psi.
Portable Generator for operation of air compressor
**Available through Flint Trading, Inc.*
- Temperature:** Ambient air temperature must be 50°F and rising and should not drop below 50°F within 8 hours of the application of the last layer. Substrate temperature must be 50°F and rising.
- Moisture:** Surface must be completely dry prior to applying marking. No precipitation should be expected within 2 hours after the last layer of Ride-A-Way™ coatings is dry to the touch.
- Surface:** Ride-A-Way™ coatings can be applied on asphalt or non-bituminous concrete surfaces such as portland cement concrete. Surface must be free of dirt, debris, moisture and other contaminants that will affect adhesion. Chemical contaminants such as vehicle fluids must be removed. Use a degreasing solution if necessary and ensure that 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. Work should not start until approval is granted.
- Material:** Avoid extreme storage temperatures. Do not allow the Ride-A-Way™ material to freeze. Shelf life for Ride-A-Way™ coatings is 18 months.

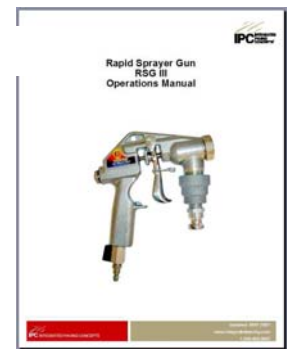
Coverage: One container of Ride-A-Way™ coatings will cover approximately 175-225 square feet with three layers of material. Actual coverage may be affected by the texture of the pavement substrate. There will be less coverage with the first layer and more coverage with subsequent layers. The number of layers of Ride-A-Way™ coatings is dependent upon application. The following table shows approximate coverage rates.

<i>Layers</i>	<i>Approximate coverage per unit</i>	<i>Approximate coverage per layer</i>	<i>Recommendation</i>
3	225 ft ² (20.9 m ²)	675 ft ² (62.7 m ²)	Coated area not subjected to vehicular traffic
4	175 ft ² (16.3 m ²)	700 ft ² (65.1 m ²)	Coated area subjected to vehicular traffic

SAFETY PRECAUTIONS:

Read the MSDS for Ride-A-Way™ coatings before beginning application. Protective clothing, consisting of leather boots, or work shoes, long pants, chemical resistant gloves, and either safety goggles or a face shield and a safety vest should be worn while applying Ride-A-Way™ coatings. In the event of skin contact with the Ride-A-Way™ material, immediately wash skin with a generous amount of soap and water. Remove contaminated clothing and shoes and wash before reuse. If irritation persists consult a physician. In the unlikely event of the Ride-A-Way™ coatings material contacting the eyes, immediately flush with copious amounts of water for at least 15 minutes. If redness, itching, or burning sensations persist consult a physician immediately.

Read and understand the Rapid Sprayer II and Rapid Spray Gun III Operation Manuals before spraying the Ride-A-Way™ coatings. Manuals can be found online at www.flintrtrading.com.



INSTRUCTIONS FOR APPLICATION:

1. Clean the intended application area thoroughly. All loose particles, dirt, sand dust, etc. must be removed. Sweep completely. Utilize 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 is necessary prior to application of the Ride-A-Way™ coatings.
2. Ensure that no moisture is present prior to applying the Ride-A-Way™ coatings onto the pavement surface. Surface moisture may be removed by drying the application area with a propane fueled torch such as the Flint 2000 EX.

3. 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 plastic sheeting, tarps, shields, paper or other suitable method. Vertical shielding is also recommended to contain overspray during windy conditions.

IMPORTANT: Before you begin to mix the materials, you should run a couple of cups of water through the Rapid Sprayer II system. The water will act as a lubricant.

Mixing Instructions:

- a) Shake Part B to mix additives that may have separated during shipping and storage.
- b) Add contents of Part B to the 5-gallon (20 liter) container of Ride-A-Way™ Part A.
- c) Add water. Fill the empty 1 quart Part B container to the top (0.95 liter) with water; shake; and pour water into the Ride-A-Way™ base (Part A). Dependent on temperature, + / - ½ quart (.47 liters) can be used.

Ride-A-Way Part A



Ride-A-Way Part B

Note: It is crucial to add no more than the recommended ½ – 1 ½ quarts (.47 - 1.42 liters) of water to Part A. Too little water will result in a thick coatings which is difficult to apply. Too much water will result in coatings failure, insufficient asphalt hide and/or reduced coatings life.

- d) Mix thoroughly, using the Ride-A-Way Coatings Mixer, or Jiffler mixing paddle and electric drill, for 3 minutes. Properly mixed coatings will have no signs of color separation and very small amounts of aggregate settling.



Mix for 3 minutes; create Vortex. Even distribution of colorant and chemicals ensures good performance. Jiffler mixing paddle and electric drill shown.

The Ride-A-Way™ automated coatings mixer saves 3 minutes of labor per container.



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

- e) Strain coatings by pouring the mixed contents from the Part A 5-gallon container into the Rapid Sprayer II through the built in strainer that comes with the unit to remove unmixed clumps of material before applying.



5. **Spraying:** Hold the Rapid Spray Gun II 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.

6. **Brooming:** Using the soft blue bristle broom, broom the sprayed material in a perpendicular pattern to evenly distribute the coatings onto the surface and to ensure that the coatings is driven into the asphalt. Brooming should follow as close as possible behind the sprayer. On hot days the coatings will set up very quickly and prohibit brooming. Avoid “over brooming” which will result in the aggregate “balling up” on the surface.

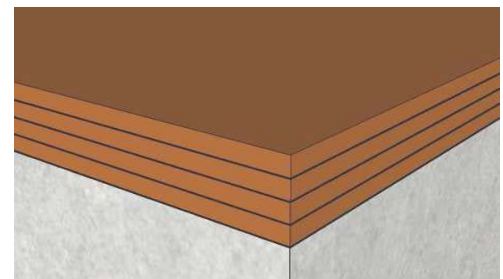


Over brooming results in “balling up” which creates a different texture

7. **Spraying additional passes:** Once the broomed layer is dry to the touch the next spray pass, or layer, can be sprayed using the same procedure described above. The last layer of coatings can either be finished using the brooming method described above, or by rolling the material using a 0.75 in. ‘Rough’ Nap Roller. Using the roller will create more of a textured appearance to the coatings.

LAYERS: For optimal performance, Ride-A-Way™ coatings should be applied in multiple layers. Allow each layer to dry “to the touch” before applying the next layer. Building the coating thickness in this manner allows each layer to cure more quickly (than using a single “thick” layer) and has proven to provide the best performance. One container of Ride-A-Way™ coatings will cover approximately 175 – 225 square feet in 3 layers. Actual coverage is affected by the texture of the pavement substrate.

There will be less coverage with the first layer and higher coverage with subsequent layers. The number of layers of Ride-A-Way™ coatings is dependent upon your application; the pavement texture; and type and amount of traffic. Three layers will generally be sufficient for most applications, but for areas that will be subjected to vehicular traffic, an additional layer is recommended.



8. **Inspection:** Coatings should have a uniform texture, color and appearance with no visible working lines.
9. **Open to Traffic:** The Ride-A-Way™ coatings **must be 100% dry** before traffic is permitted. Substrate temperature, wind and humidity can affect dry times. Areas exposed to direct sun light will dry faster. Generally, warm and dry conditions decrease the time required for the coatings to dry. Conversely, cool temperatures will slow the rate of drying and curing**. The table below should act as a guide to determine “time to dry”.

COATINGS DRY TIMES (TYPICAL)		
Air Temperature	Relative Humidity	Time to dry (approx.)
60°F (15°C)	80%	8 hours
81°F (27°C)	57%	4 hours
120°F (49°C)	5%	2 hours

** For more information, see cool weather and hot weather tips at the end of these application instructions.

10. **Clean up:** Material meets EPA requirements for Volatile Organic Compounds (VOC) and is environmentally safe. Clean up tools and equipment with a generous amount of water. Dispose of all contaminated materials in accordance with all applicable federal, state and local laws and regulations.

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COOL WEATHER TIPS:

Cool temperatures will slow the rate of evaporation and hence the rate of curing of the Ride-A-Way™ coatings which could lead to failures. Moisture has 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.

- Air temperature needs to be 50°F and RISING.
- Substrate temperature needs to be 50°F and RISING.
- Keep traffic off coatings until it is completely dry.
- No rain / moisture in forecast.
- Do not apply late in day. Application of coatings in the morning will allow more time for the material to dry throughout the day.
- 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

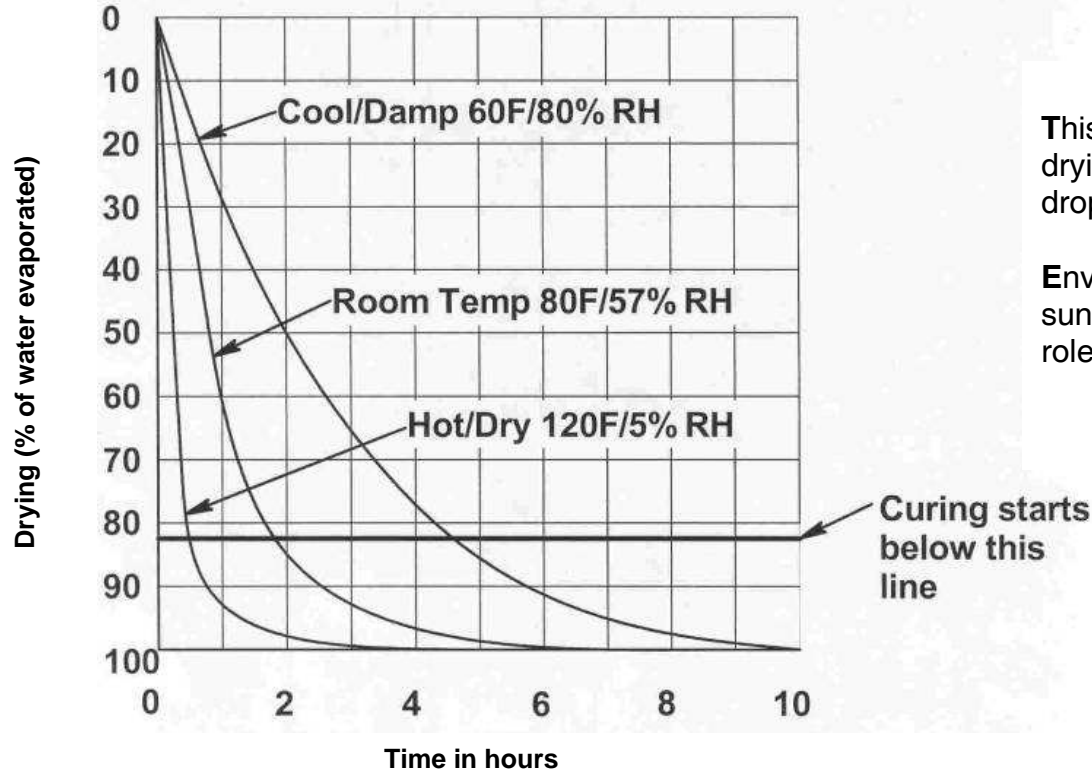
IMPORTANT: If Ride-A-Way™ coatings is applied when moisture cannot evaporate, then the coatings will not dry. The drying and curing of Ride-A-Way™ coatings have a direct impact on performance.

HOT WEATHER TIPS:

If Ride-A-Way™ coatings is applied in hot temperatures, the coatings can set up extremely quick. Take precautionary measures.

- High temperatures will shorten handling time of coatings.
- Be aware of surface temperatures. Surface temperatures over 120F can cause coatings to flash dry and will shorten working time.
- Use ice water: Using cold water will increase the working time of the Ride-A-Way™ coatings and may prevent blockages in the pump and hoses.
- Prime the Rapid Sprayer II 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 the next 15 minutes.
- Don't over broom as it will cause the coatings to "ball up". To prevent "balling up", broom only wet coatings immediately behind spray pass.
- Add the maximum amount of water as outlined in the mixing instructions.

Coatings Dry Time (Laboratory)



This graph shows the increase in drying time when temperatures drop from high to low.

Environmental factors such as sunlight and wind play a major role in drying.

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