

# Application Procedures

## -High Build Waterborne Paints-

*The following procedures should be followed when applying **Crown USA, Inc.** high build waterborne marking paints in order to achieve maximum durability and visibility:*

1. Surface Preparation:
  - A. New Pavement Surfaces: Remove curing compounds, construction dirt, etc. by water blasting, shotblasting, or sandblasting.
  - B. Aged Pavement Surfaces: All surfaces to be painted must be free of poorly bonded paint or other contaminants that would reduce the bond of the new coating to the existing coatings or surface.
  - C. If required by the owner, existing markings should be removed by waterblasting, shotblasting, rotary grinding, or sandblasting.
2. All new asphalt surfaces should be properly cured before striping. Most asphalt surfaces require a minimum of 2 weeks curing; however, this may vary on the blend of asphalt to aggregate. Improperly blended or cured asphalt will not withstand the stress exerted by the curing of the paint film and, therefore, the areas striped may pull the asphalt loose. If there is any doubt regarding this, apply a small stripe of paint to an area and allow to cure. Observe the results before striping the entire area.
3. Fresh asphalt surfaces have a tendency to bleed. We recommend a thin first coat (approx. 5 mils) be applied on the surface, allowed to cure about a week, and then a regular coat (25-30 mils) be applied as a final stripe. Each individual user must decide the type of surface being coated and the method to be used.
4. New concrete surfaces are VERY DIFFICULT to adhere to due to their curing compounds. Most curing compounds take 8 to 12 weeks to dissipate. Therefore, painting a concrete surface less than 3 months old is NOT RECOMMENDED. If painting must be done sooner, please contact Crown USA, Inc. for our recommended paint and application procedures.
5. All paint should be stirred thoroughly before use. Thinning is not recommended; however, if necessary, no more than 2 quarts of water per 5 gallons of paint (5 gallons per 55 gallon drum) should be added. Addition of water may make paint dry slower.
6. High Build paints should be applied between 25 and 30 mils wet. The spreading rate is 150-180 linear feet per gallon of 4-inch line. Local, County, or State specifications can vary from the standard.
7. For reflectorization, drop-on glass beads should be applied immediately after the paint and uniformly spread over the entire line. For application rate, please refer to state specifications.
8. All paint lines should be adequately protected until they are track free before traffic is allowed over the line.
9. Since most traffic paint dries rapidly, all equipment, tools, etc. should be cleaned with soap and water immediately after application is complete.

