



CROWN USA INC

Intersection Grade Thermoplastic

Intersection Grade Thermoplastic (IGT) Standard Application Procedure

- 1) Road must be clean and dry to maximize bonding. Sweep or blow debris from the road.
- 2) When applying on new concrete, all curing compound should be removed before sealer application. Apply Crown's recommended Sealer Primer to PCC and aged asphalt with a significant amount of exposed aggregate according to manufacturer's recommended procedures. Make certain all solvent has evaporated and sealer has dried. Solvent left in the sealer will cause obstructions in the line commonly referred to as blistering and pin holing. If a sealer is applied at a heavier mil thickness, solvent can be trapped beneath the top dry film resulting in the same type of problem.
- 3) Crown USA, Inc. recommends that new asphalt be allowed to cure for 3 to 5 days before applying alkyd thermoplastic. However, tracking may still occur based on the condition of the asphalt. Using temporary paint for traffic control and giving the asphalt time to cure before applying thermoplastic will reduce tracking of the asphalt liquid onto the thermoplastic line.
- 4) Heat material to 390 – 415°F in equipment with agitation.
- 5) Material should be applied at 100 – 125 mil thickness with a double drop bead system. Total bead rate shall be 11-13 lbs./100 ft². (NOTE: Crown approved drop-on media is required to achieve desired results.)
- 6) Do not apply material when road surface and ambient temperatures are below 50°F. Wind will cause material cooling in spray and ribbon gun applications. Set times may increase slightly when temperatures exceed 85°F.
- 7) Avoid contact with hot material. Do not breathe hot fumes. Heating material above 440°F may cause material to flash or ignite (refer to SDS for details).
- 8) Hot molten thermoplastic will burn skin. Do not attempt to remove the thermoplastic from the skin. Cool under running water and seek medical attention immediately (refer to SDS).
- 9) Always store material in a cool dry place. If stored outside, always cover material to prevent damage, which may be caused by moisture.

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