

ENNIS FLAMETAPE™

APPLICATION INSTRUCTIONS

IMPORTANT!!

Users should read and understand these instructions before applying Flametape™.

Flametape™ should be kept in the original packaging until you are on the job site and ready to apply material to the road. This will help to prevent damage or the loss of material pieces. Flametape™ should be stored and transported at temperatures between 50°F (10°C) and 100°F (38°C).

The surface preparation is extremely important for the application of Flametape™. The surface of any pavement on which Flametape™ is to be applied must be clean, dry, and above 32°F (0°C). We recommend that you follow these steps in order to obtain the proper surface for application.

1. Use a broom or air sweeper to clean the area where the Flametape™ marking is to be applied. The area must be completely free of loose particles, dust, and dirt.
2. The moisture should be removed from the road surface. Heat the asphalt or portland cement road surface with your torch where the marking is to be placed. It is best to heat the pavement surface very quickly and with full flame, this will eliminate deep heating and prevent longer cooling time. Using a circular motion, extend beyond the perimeter of the marking by at least 3 inches. The pavement will retain the heat for a short period of time. The recommended heated surface temperature range prior to placing the marking is 250°F to 325°F for best results. Use temperature in the upper range on cooler or windy days.
3. Preheat small areas of sections at a time 4 – 5 feet in length for roll tape or sections of up to 2' x 2' in size. Then lay the material immediately onto heated road surface.
4. New concrete open to traffic less than 3 months must be sandblasted to remove curing compound.
5. In some cases Primer/Sealer is required on concrete when using other preformed road markings, but our Flametape™ is formulated so that this step is not necessary. **DO NOT USE PRIMER / SEALER WHEN USING FLAMETAPE™.**

If not familiar with Flametape™ installation, we recommend the use of an infrared heat gun thermometer to check the preheated road surface for the proper temperature for application. Preheating of the road surface provides the greater amount of energy for the bonding process of the Flametape™.

After the Flametape™ material has been positioned on the road it is time to heat-fuse the edges and finalize bonding from the surface. Position the torch over the marking about 8 inches high so that the flame is extended and the heat is evenly applied. Move the torch in a circular motion across the marking for 10 – 20 seconds. As the Flametape™ softens, it totally conforms to the surface on which it is applied, and should almost be liquid. Make sure to run the flame slowly along the edges to seal the material well. During the heating process the material may bubble and discharge steam. These are

natural effects and indicate that you have reached the correct temperature for proper material bonding. The marking will return to its original color upon cooling.

(Do not allow traffic to cross markings before material has cooled down as this could result in tracking or dirt or oil etc. Application of water after completion is helpful if speed cooling is required.)

A WORD ABOUT TRACKING: All thermoplastic materials will develop some tack when heated-this is necessary for the bonding process. However Ennis Flametape™ will turn into a non-tacky and non-marking tape and will almost reject dirt after cooling. It is therefore important to cool the applied marking before traffic is permitted.

IMPORTANT NOTE: If you apply too much heat directly on the marking, the material will burn leaving you with brown colored marking.