PreMark

Bundy® Raised Pavement Marking Adhesive

APPLICATION INSTRUCTIONS

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

IMPORTANT: Bundy® Adhesive is not recommended for use with snow-plowable, or solar/ non-solar LED, Raised Pavement Markers with heavy metal castings.

Equipment:
- Ennis-Flint® 3000 EX or equivalent propane fueled torch with pressure regulator and 25 ft. hose
- Gas Powered Blower or Broom
- Chalk Sticks and Chalk Snap Line
- Adequate Supply of Propane

Moisture: Pavement must be dry. Ensure that no moisture is present prior to positioning the Bundy® material on the pavement surface.

Surface: Asphalt and concrete must be free of dirt, dust, salt, deicing agents, chemicals and significant oily substances. Do not apply on top of paint, cold plastic, or plural component marking materials. When applying on top of old thermoplastic, scrape off any thermoplastic that is loose then ensure that no moisture is present. The old thermoplastic surface must not be chipping and must be clean. The older thermoplastic is oxidized (powdery surface), grind or heat it and scrape the top surface so fresh material is exposed.

Material: Bundy® material shall be kept dry all times in storage, in transit, and on the project. Avoid extreme storage temperatures. Bundy® material should be stored indoors between 35° F and 90° F. Handle with care in temperatures below 50° F as the material will be less flexible. The packages should be stored flat and stacked a maximum of 30 packs high. Shelf life is 12 months.

SAFETY PRECAUTIONS:
Protective clothing, consisting of leather work shoes, long pants, gloves, safety goggles, and a safety vest should be worn. Avoid all contact with the molten Bundy® material and propane torch flame. If you get molten material on your skin, flush the area immediately with plenty of water then seek medical attention. Do not attempt to pull the molten material off your skin. If accidental contact occurs, wash contaminated skin with soap and water and remove contaminated clothes immediately. If accidental contact with the eyes occurs, immediately flush eyes with plenty of water for at least 15 minutes; remove contact lenses; call a physician.

Equipment such as the Ennis-Flint® 3000 EX heat torch operate on vaporized propane gas. Use the largest size cylinder possible. The propane cylinders must be used in the upright position with the valve being the uppermost part. Never lay the cylinder down on its side. This will allow liquid gas to flow into the torch and the uppermost part.

INSTRUCTIONS FOR APPLICATION ON ASPHALT:

1. Clean intended application area thoroughly. All loose particles, sand, dust, etc. must be removed. Utilize a power blower or compressed air if available, otherwise sweep area completely.
2. Ensure that no moisture is present prior to positioning the Bundy® material on the pavement surface. Surface moisture is not often visible so you should assume that some moisture is present. Remove moisture by drying the application area with a propane fueled torch such as the Ennis-Flint® 3000 EX heat torch.
3. Position Bundy® material on the pavement surface.
4. Prepare to heat the Bundy® material by positioning yourself with the wind at your back. This will keep the heat from the torch away from your feet. Begin heating the material by moving the flame from a propane fueled torch slowly, but steadily over the material. Heat thoroughly until the Bundy® material is molten. This will cause the Bundy® material to spread slightly. The Bundy® material must be heated to its melting temperature to achieve a bond with the pavement.
5. Once the Bundy® has been heated, and using your gloved hand, position the raised pavement marker immediately in the molten Bundy® material. Apply slight pressure to the marker and make sure all corners are embedded in the Bundy® material. Do not press the marker through to the surface of the road; rather leave a cushion of Bundy® material between the marker and the road surface.
6. Bundy® material will cool and set within a few minutes of application. If desired, setting time can be accelerated with a spray of cool water.

FOR APPLICATION ON NON-BITUMINOUS SURFACES:

1. Follow steps 1 and 2 as stated for application on asphalt. Note: Worn, polished concrete should be ground or milled so the surface becomes rough.
2. Apply an approved Bundy® sealer to the area designated to receive the Bundy® material. Let the sealer set until it no longer transfers to your fingers when touched. Caution: Do not speed up the drying process by using an open flame as the sealer is flammable at this stage.
3. Next position the Bundy® material.
4. Continue with Steps 3 through 6 as stated above for application on asphalt.

NOTES:
- Bundy® material is compatible with asphalt and concrete surfaces and can be applied on special surfaces, i.e., bricks and cobble stones, using an approved sealer.
- Do not allow two Bundy® pads to be stored while in contact with each other as they will bond together especially in hot weather. Use the plastic separation sheets to avoid this situation.
- Don't throw or drop Bundy® material in lower temperatures as it will be less flexible in colder weather.
- Oil impervious Bundy® material can be applied immediately after completion of daily paving operations.