

## Installation of MeltMark® preformed thermoplastic on asphalt surfaces.

Date: 2023-04-14

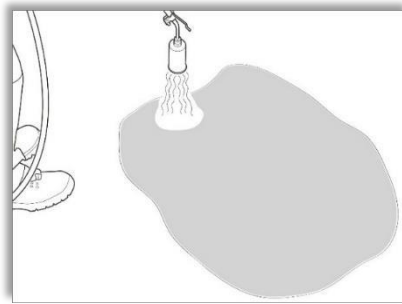
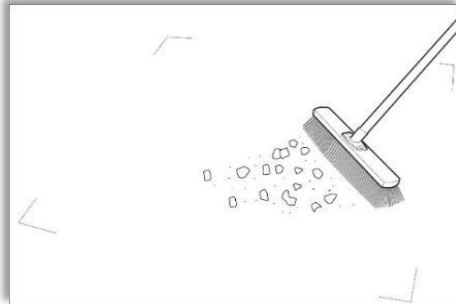
APPLICATION VIDEO CAN BE FOUND ON OUR WEBSITE:

[www.colorpoint.se](http://www.colorpoint.se)

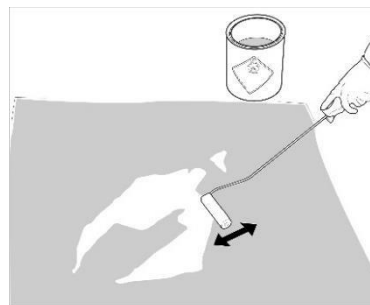
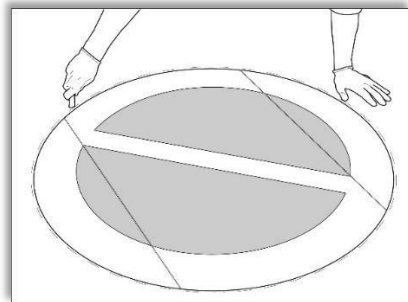
INSTALLATION ON CONCRETE AND STONE SEE SEPARATE INSTRUCTION (2-COMPONENT PRIMER)

1. Clean the surface with broom or power-blower. If needed dry the surface with a propane torch. Remove dust, oil, grease and loose particles etc. Remove old markings with a scarifier. A solid, dry and well prepared surface is a prerequisite to continue to the next step.

Suitable application conditions: Dry weather and surface temperature 3°C above dew point.

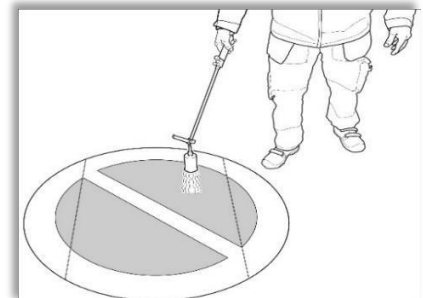
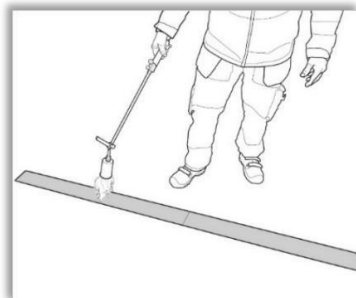
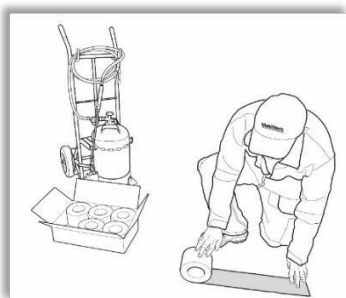


2. If the asphalt is aged it is an advantage to treat the surface with a sealer/ primer MeltMark® PRIMER (see separate description/ datasheet). Mark the area where the marking will be positioned with a chalk. Use a roller or brush. The **primer must completely dry** before continuing to the next step. **Do not position the marking until the primer is completely dried.**



3. Place the preformed marking on the asphalt with the surface particles facing up. Heat at a distance of approximately 10 to 30 cm above the preformed marking. Move the torch and distribute the heat evenly until the material has melted and attaches itself to the underlying surface texture. The material is sufficiently heated when it is completely liquid and boils slightly. Some colours may melt slower compared to white material. In such cases heat at lower power and for longer time.

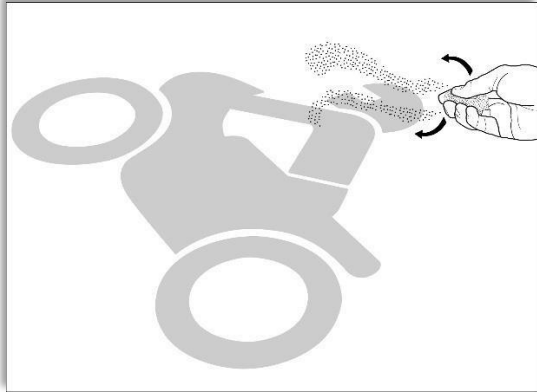
Use a powerful propane torch and a gas bottle of at least 20 kg (weight filled). Note that the gas bottle may gradually cool during application and loose power. The melting is affected by many factors such as surface temperature, ambient temperature, wind, air humidity etc.



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4. For initial retro-reflection and friction apply a mixture of “drop-on” glass beads and friction particles directly into the melted material (timing is crucial). The particles shall embed ~60% of their diameter. If needed add more heat to adjust the embedding. In situations when only friction is of importance apply friction particles only.



5. The material cools normally within 5-10 minutes. When the material has completely cooled an adhesion test can be performed with a hammer and chisel. Good adhesion is achieved when parts of the asphalt surface has adhered to the back side of the marking (see picture above). To speed up the cooling during hot days sprinkle with some water. Remove surplus/ non-attached glass beads after application is completed.

### PRODUCT DESCRIPTION:

**Material type:** Preformed thermoplastic road marking (semi-finished). Standard package cardboard box 60x100 cm (~3-6 cm height). **DO NOT** tilt or place boxes upright during transport/ handling since contents may deform. Store dry and protected from direct sunlight.

Depending on content in boxes it is normally not recommended to stack more than 25 boxes.

For application outdoors. Rain/ traffic contributes to keeping the marking clean.

Formulated for resistance to snow-plowing and studded tires (provided correct application/ surface).

Colors: White, yellow and standard colors

Thickness: 3 mm +0,4/-0,3 including factory applied surface particles (Rolls ~2,3 mm)

Wear: Correctly applied comparable to machine applied thermoplastic and several times higher than ordinary striping paint.

Initial values can be achieved for white materials provided correct application and use of high quality combination of drop-on beads/ friction particles: RL ≥ 150 mcd (R3), SRT ≥ 55 (S3) measured as described in EN 1436:2018

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