

SPECIFICATION

TWO-COMPONENT SEALER FOR PREFORMED THERMOPLASTIC PAVEMENT MARKING MATERIAL

1. **USE:** A two-component epoxy sealer used to enhance the bond strength between the substrate (portland cement concrete or asphalt) and preformed thermoplastic pavement marking materials.
2. **PROPERTIES:** The sealer must be environmentally safe with no VOC solvents.
 - 2.1. The sealer must bond to dry and damp surfaces.
 - 2.2. The sealer must have a low viscosity that allows it to penetrate into concrete and in particular penetrate through any laitance that may be present.
 - 2.3. To allow for the application area to be reopened to traffic, the sealer must cure rapidly. During the normal application process the sealer will have cured and bonded to the substrate and preformed thermoplastic pavement marking material in less than 10 minutes.
 - 2.4. To allow for work time for the correct positioning of the preformed thermoplastic pavement marking material, the sealer must have a gel time of at least 20 minutes at 80°F (27°C).
 - 2.5. The sealer must have a one year shelf-life when stored between 45°F (7°C) and 90°F (32°C) and protected from freezing.
3. **APPLICATION:** The sealer shall be capable of being applied to the substrate by dispensing from the sealer cartridges through the mixing nozzle and spread over the substrate with a roller to leave a thin, even, uniform coat.
4. **PACKAGING:** Each cartridge must be properly labeled and packed in a heat-sealed polyethylene bag. Two sealer cartridges, each in a heat-sealed polyethylene bag, mixing nozzles, a roller handle, application rollers, latex gloves, a trash bag, an aluminum pan and a black permanent marker must be packaged in a cardboard box to complete the sealer “kit”. Detailed Application Instructions and MSDS must be included in each box with the aforementioned supplies.
5. **TECHNICAL SERVICES:** The successful bidder shall provide technical services as required.