HPS-6 Spray Methyl Methacrylate
Product Data Sheet

DESCRIPTION

HPS® - 6 is the trade name for Ennis Traffic Safety Solution's methacrylate based multi-component durable pavement marking materials. The HPS-6 line consists of several white and yellow lead free products tailored for specific application methods, various film thicknesses and/or specific multi-component proportioning application equipment. All provide exceptional retro-reflectivity and longevity at an attractive cost per useful life. HPS-6 provides outstanding adhesion to both concrete and asphalt and can be surface applied or inlaid for even greater durability. Optimum retro-reflectivity is achieved when the proper bead gradation/coating is used. Please consult with your sales representative for the best bead/HPS-6 recommendation.

MATERIALS

HPS - 6 SPRAYs are two component products designed for spraying at thicknesses from 20 to 90 mils depending on the type and mix ratio. Spray is accomplished by using automated equipment designed to proportion by volume or weight. The liquid catalyst (Part B) is blended into the methacrylate base (Part A) prior to the spray gun or spray tip.

HPS-6 SPRAY formulations are available in 98:2, 1:1, and 4:1 ratios. Application equipment is usually ratio specific. Ennis Traffic Safety Solutions can suggest the best combination of HPS-6 SPRAY and equipment to address each traffic marking situation.

HPS - 6 SPRAY is designed to be used for new or maintenance long line installation, intersection markings, and inlay applications, as well as a "refresher" coat at thicknesses of 20 to 90 mils. HPS-6 SPRAY is a cost effective durable traffic marking that will provide years of delineation and retro-reflectivity.

Application and Site Conditions

Air and surface temperatures shall be in the range of 35° F. (1.7°C.) to 105° F. (40.5°C.) during installation and cure. Application temperatures outside this range can negatively affect product performance.

Relative humidity in the specific location of the installation shall be less than 85% and the surface temperature shall be at least 5° F. above the dew point.

The pavement shall be dry and rain-free 24 hours prior to installation.

Asphalt substrates shall be dry, clean and free of contaminants such as surface oils. Newly placed asphalt substrates shall be allowed to age a minimum of 14 days prior to application of Markings.

Concrete must be fully cured for a minimum of 28 days prior to installation of Markings. Surface contaminants such as curing agents, membranes, bond breakers or laitance shall not be used in areas to be marked. Moisture content shall not exceed 0.5%.

Existing markings with a presence of 25% or more are also deemed contaminants and shall be removed. Placement of Markings over existing methacrylates shall be allowed when surface inspection indicates a clean, dry, sound surface.

Glass Beads

Drop on glass beads shall be applied at a rate between 10 – 12 lbs/100 $ft.^2$

Use of the proper bead is critical to initial and long term retro-reflectivity. Bead type and gradation varies with the different HPS-6 types. Please consult your sales representative for proper bead selection.

Drop on beads shall be coated with a Methacrylate compatible coupling agent.

Material Storage

Avoid extreme storage temperatures. Keep materials in dry, protected areas, between 40°F – 80°F. Keep out of direct sunlight and protected from open flame. Use within six months of receipt.

Application Equipment

Acceptable application equipment shall be “airless” or “air atomized” in design and capable of applying SPRAY MMA.