

HPS-6

Methyl Methacrylate Pavement Markings

PRODUCT DATA

Product Type: 98:2 Spray
Product Codes: 999775W 999775Y
Product Color: White Yellow
Application Thickness: 40 to 90 mils
Territory Specified: United States
Effective Date: 2015

Product Description:

HPS-6 Methyl Methacrylate (MMA) pavement marking materials are plural component products designed for long line and transverse line pavement marking applications where durability is required. They offer reliable cure times, even in cool temperatures, and provide outstanding adhesion to both concrete and asphalt. HPS-6 products can be inlaid for even greater durability and are often used as a solution when pavement marking presence is an issue.

HPS-6 98:2 spray MMA is catalyzed through the introduction of either liquid or powder Benzoyl Peroxide (BPO) at 2% by weight. This 100% solids high build product installs at build thicknesses between 40 and 90 mils through the use of a push cart or specialized automated equipment.

HPS-6 MMA pavement markings will offer long life performance through excellent durability, adhesion, retroreflectivity and color stability properties

Product Advantages:

- Very Durable. A solution for areas where pavement marking presence is an issue.
- Low application temperatures with reliable cure times.
- Tenacious adhesion to asphalt and concrete substrates.
- UV stable. Uses color stable pigments and resins that reduce fading of markings.
- Recommended for streets, highways, crosswalks, symbols & legends.

Packaging:

HPS-6 is available in 5 gallon pails and 55 gallon drums, and dependent on equipment type, it will include 2% (by weight) liquid or powder catalyst. The product must be used with the matching 98:2 catalyst to provide lasting performance.

Physical Characteristics:

Property		Test Method
Density (Lbs/Gallon)	13-15	ASTM D1475
Total Solids (% weight)	>99% (cured)	D2369
Pot Life	3-5 minutes	AASHTO T-237
No Track time	30 minutes max	D711
Adhesion	>200 psi	D4541
Hardness (Shore D)	50 Min	ASTM D2240
Skid Resistance	≥ 45 bpn	ASTM E303
Chemical Resistance	Pass	7 days emersion
Reflectance (Y value)	White: >80 Yellow: >50	ASTM D2244
Water Absorption	0.5% max	ASTM D-570
VOC	<100 g/l	EPA Ref Method 24, 40 CFR, Appendix A to Subpart D of Part 59

Other:

Optimum retroreflectivity is achieved when the proper reflective media is used

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HPS-6

Methyl Methacrylate Pavement Markings

PRODUCT DATA

Product Type:	HPS-6 MMA Spray 98:2	999675Y
Product Codes:	999675W	Yellow
Product Color:	White	HPS6 98:2 YELLOW SPRAY
Description:	HPS6 98:2 WHITE SPRAY	

Product Description:

Methyl Methacrylate (MMA) pavement marking materials are plural component products designed for long line and transverse line pavement marking applications where durability is required. They offer reliable cure times, even in cool temperatures, and provide outstanding adhesion to both concrete and asphalt. These products can be inlaid for even greater durability and are often used as a solution when pavement marking presence is an issue.

HPS-6 MMA is mixed, by weight 98 Parts MMA to 2 Parts Catalyst (999460LV). This 100% solids product installs at thicknesses between 30-60 mils.

MMA pavement markings will offer long life performance through excellent durability, adhesion, retroreflectivity and color stability properties

Product Advantages:

- Very Durable. A solution for areas where pavement marking presence is an issue.
- Low application temperatures with reliable cure times.
- Tenacious adhesion to asphalt and concrete substrates.
- UV stable. Uses color stable pigments and resins that reduce fading of markings.
- Recommended for streets, highways, crosswalks, symbols & legends

Packaging:

HPS6 is available in pails, drums or totes and requires the appropriate amount of catalyst.

Physical Characteristics:		
Property		Test Method
Density (Lbs/Gallon)	12.8 minimum	ASTM D1475
Viscosity	90-100 KU	Viscometer
Total Solids (% weight)	>99%	D2205
Pot Life	>8 minutes	AASHTO T-237
No Track time	30 minutes max	D711
Adhesion	>200 psi	D4541
Hardness (Shore D)	50 Min	ASTM D2240
Skid Resistance	≥ 45 bpn	ASTM E303
Chemical Resistance	Pass	7 days emersion
Reflectance (Y value)	White: >80 Yellow: >50	ASTM D6628
Tensile Strength (kPa)	125 min	ASTM D-638
Elongation	20% min.	ASTM D-638
Water Absorption	0.5% max	ASTM D-570
VOC	<100 g/l	EPA Ref Method 24, 40 CFR, Appendix A to Subpart D of Part 59

Other:

Optimum retroreflectivity is achieved when the proper reflective media is used.

Effective date: 1/28/2025

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