

5080 SERIES

SWARCOPLAST MMA FOR LANE MARKING



PRODUCT DESCRIPTION

SWARCOPLAST MMA for lane markings is a solvent-free, 100% solids plural-component system designed for marking large, continuous areas such as bike lanes, bus lanes, and cross walks. It can be applied to Portland Cement Concrete (PCC) and asphalt surfaces as a durable striping material.

SWARCOPLAST MMA for lane marking can be used in 98:2 or 1:1 systems. If using 98:2 equipment, 1-2% BPO activator is required. If using as a 1:1 system, the B component 4080NR requires 2-4% liquid BPO activator. 5080 Series MMA for lane marking may be applied with squeegee, draw-box, or other appropriate application methods.

Additional aggregate for texturing can be broadcast onto sprayed material, or mixed into the container prior to applying.

TECHNICAL DATA

PROPERTY	5080 SERIES
Color	Various
Weight per gallon	13 lb/gal (1.56 g/mL)
Viscosity, KU	115 – 125
% Solids, by wt.	> 99
Gel time, 2% BPO @ 25° C	8 - 15 minutes
Cure time, 2% @ 25°C	15 - 25 minutes
Hardness (Shore D)	55-60

NOTE: Gel time and cure time are directly related to both BPO concentration and temperature.

ADVANTAGES

- 100% solids chemistry
- Available in a variety of colors, including red, bike lane green, black, and beige.
- Provides highly visible, durable marking
- Excellent color retention
- Special chemistry for rapid curing at a wide range of temperatures
- Outstanding long-term abrasion resistance
- Exceptional adhesion to a variety of substrates
- Protection against moisture penetration
- Snow plow resistant
- Economical durable marking

MIX RATIO BY WEIGHT

- 98:2 Component A: 5080 Series Paint Component B: 5035 Liquid Hardener

COVERAGE

- Coverage depends on desired layer thickness, application technique, machine adjustments, size of aggregate (if using texturing agents) and the type and condition of the surface.
- Theoretical coverage of 50-60 mil film thickness results in approximately 25 – 30 ft² per gallon.

PACKAGING

Component A: 5080 Series MMA Paint:

- 4 gallon pail
- 40-gallon drums

Component B for 98:2 systems:

- Benzoyl Peroxide (35-50% concentration)
- Liquid dispersion (spray or non-spray application)

WARNING: B-COMPONENT CONTAINS ORGANIC PEROXIDE

INSTALLATION & SURFACE PREPARATION

General Information

All of the instructions provided herein and by SWARCO Colorado Paint Company / SWARCO technical representative must be followed exactly. Any variations from the directions may compromise applicability and performance. Only drop-on materials and techniques approved by the manufacturer should be used.

General Surface Preparation

In general, coating performance is directly proportional to the quality of surface preparation. Before applying coatings, surfaces must be clean and dry. Remove all grease, oil, gasoline, dirt, grass, loose gravel, old, peeling or flaking paint, and other contaminants.

Flux oils of new asphalt are detrimental to the bonding and may lead to discoloration. Since mechanical removal of these oils is not possible, the surface should be exposed to traffic for 4 - 8 weeks before SWARCOPLAST MMA products are applied.

Moisture content of concrete surfaces must not exceed 4% when applying marking.

Weather Conditions

Surface, air and material temperature should be between 35 - 110 °F, and at least 5°F above the dew point. Relative humidity must be less than 75%.

Note: Temperature can directly affect cure time and pot life. Higher temperatures will accelerate cure time, and lower temperatures will inhibit cure time. For higher temperatures in 98:2 systems, less BPO (as low as 1% of total weight) may be desired to help slow cure time. Conversely, more BPO (as high as 3% of total weight) may be desired to help accelerate cure time.

■ Preparation of MMA Material

SWARCOPLAST MMA shall be applied with equipment utilizing the impingement mix, solvent free, airless spray application system or standard mix tube application equipment. The equipment shall be designed to accurately control flow of the material at the spray tip. The equipment shall have pressure gauges for each proportioning pump.

The equipment shall have a metering device to register the accumulated footage for each spray gun or a meter to determine actual volume used.

■ Operation

Each vehicle shall be operated by a technician who is an expert in that particular equipment's operation and plural component systems application techniques. The equipment shall be very clean and in sound operating condition. All safety precautions and good industrial safety practices shall be followed.

SAFETY

Before working with this product, the user is required to read and understand the information provided in the Safety Data Sheets and to follow the safety precautions and good industrial hygiene practices. Designed for the use by trained professional personnel only.

STORAGE

Store in a dark, dry, and cool place. Protect from freezing. The shelf life when stored appropriately in the original sealed container is two years from the date of manufacture.

WARRANTY

SWARCO Colorado Paint, LLC warrants to the purchaser that this product shall be manufactured without defects when applied according to SWARCO Colorado Paint Application Instructions. This warranty covers material replacement only. Excluded from coverage is labor, any damage to the application surface or any failure of the coating caused other than by defects within the material. Because the conditions of use are beyond our control, SWARCO Colorado Paint shall not be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product herein.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy and completeness thereof is not guaranteed. Data is subject to alteration due to technical advances.

Above information not to be taken as a warranty or representation for which we assume legal responsibility. It is offered solely for consideration, investigation and verification.

If you have any questions about proper application techniques or other technical support issues, please contact your SWARCO sales or customer service representative.

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