

5070 SERIES

SWARCOPLAST FLAT MMA COLDPLASTIC SYSTEMS



PRODUCT DESCRIPTION

SWARCOPLAST Flat MMA 5070 Series is a solvent-free, plural component system designed for conventional markings as a durable and long lasting pavement markings. The finished line provides excellent daytime and night time lane markings and is resistant to snow plows.

SWARCOPLAST Flat MMA can be applied to Portland Cement concrete and asphalt surfaces as a long lasting striping material for both edge and center line markings. It can also be used for intersection markings such as crosswalks, legends and symbols.

SWARCOPLAST Flat MMA should be applied with specialized application equipment for cold plastic markings (extruder / dispensing shoe).

TECHNICAL DATA

PROPERTY	5070 WHITE	5076 YELLOW
Color, Federal Standard 595B	37925	33538
Weight per gallon	14.9 – 16.6 lbs.	14.5 – 16.1 lbs
Viscosity, KU	120 – 130	120 – 130
% Solids, by wt.	> 99	> 99
Gel time @ 25°C	5 – 10 minutes	5 – 10 minutes
Cure time @ 25°C	15 - 30 minutes	15 – 30 minutes
Hardness (Shore D)	50 minimum	50 minimum
Reflectance	85 minimum	45 minimum

ADVANTAGES

- 100% solids chemistry
- Superior durability to any other road coatings
- High reflective qualities
- Rain safety marking for enhanced wet night visibility
- 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
- Excellent ultraviolet light stability
- Snow plow resistant

MIX RATIO BY WEIGHT

- 98:2 Component A: 5070 White/5036 Yellow Component B: 5035 Liquid Hardener
- 100:1 Component A: 5070 White/5036 Yellow Component B: 5033 Powder Hardener

COVERAGE

- Coverage depends on desired layer thickness, application technique, machine adjustments, and the type and state of surface.
- When applying at the typical recommended layer thickness of 80-120 mils (2.0 – 3.0 mm), presume material use of 27 - 40 ft/gallon at line of 6 inch width

PACKAGING

Component A: 5070 White / 5076 Yellow: (other colors available upon request)

- 4 gallon pail
- 40 gallon drums

Component B: 5035 Liquid hardener for MMA

- 2 gallon
- 5 gallon
- 5033 Powder Hardener for MMA available in PE bags of various sizes

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 Thin Film MMA is applied.

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

▪ Weather Conditions

Surface, air and material temperature should be between 40 - 105 °F, and at least 5° F above the dew point. Relative humidity must be less than 75%.

A record of weather conditions should be kept.

■ Preparation Of The Cold Plastic

Liquid components of Swarcoplast Structured MMA must be homogenously stirred in the original containers before mixing Components A and B.

When using 5035 Liquid Hardener for MMA: Thoroughly mix by weight 2 parts of 5035 Liquid Hardener with 98 parts of Component A.

When using 5033 Powder Hardener for MMA: Thoroughly mix by weight 1 part of 5033 Powder hardener with 100 parts of Component A

Do not intermix liquid and powder hardeners. Be precise: performance and durability are dependent on accurate mix ratios. Never prepare more material than what is needed for the application.

■ Equipment

Product may be applied using draw box, roller, squeegee, or other suitable application equipment. Machine application should be done using specialized equipment for textured/structured MMA. Equipment must be dry and clean and in sound operating condition. Thoroughly clean all equipment after use using acetone or other suitable solvent. Cured product is extremely difficult to remove so care should be taken to clean equipment while product is still fluid.

■ Cleanup

Thoroughly wash all equipment before material sets. Use only special cleaner for marking machines. Clean any spills immediately. Do not permit spills to contaminate drains or aquatic environment

SAFETY

Before working with this product, review all information provided in the Safety Data Sheets and follow appropriate safety precautions and good industrial hygiene practices. For industrial use by trained professional personnel only. The hardeners used for the cold plastic system contain organic peroxide. They must be packaged, transported, and stored separately from Component A.

STORAGE

Store tightly sealed containers in a cool, dry place. Keep away from direct sunlight and protect from frost. FLAMMABLE! – keep away from any source of fire or sparks, no smoking.

This product should be used within one month from the date of purchase, but remains usable for six months from the date of manufacture when stored appropriately in the original sealed containers. Reconstitution is always required prior to use.

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.

Rev. 11/24