

COLOR-SAFE® VERTICAL MMA COLOR COATING

Color-Safe is a Methyl Methacrylate (MMA) resin system used for coating vertical and overhead areas. It is a plural component, liquid applied MMA and catalyst, capable of full cure in a wide range of temperatures without requiring external heat sources.

Color-Safe is typically used for coating concrete, steel, glass and other specially designated areas. Most common use is to cover concrete surfaces where T-70 Vertical HMWM Crack Sealer has been applied to cover the dark appearance of the T-70 after application.

APPLICATION PROCEDURE

Surface Preparation

All surfaces that are to receive Color-Safe must be thoroughly clean, dry, and free of all dirt, grease, and other contaminants that might interfere with proper adhesion. Clean the concrete surface using sand-blasting or power washing. For steel applications, sand-blasting is required to ensure no visible rust is present. All damaged or deteriorated surfaces must be repaired before applying Color-Safe. Concrete surfaces shall be visibly dry and the moisture content cannot exceed 6%, confirmed with a non-destructive concrete moisture meter. New concrete shall have been placed for a minimum of 28 days prior to installation of Color-Safe. The ambient temperature should be between 40°F-100°F. Relative humidity should be 75% RH maximum. At the onset of rain, installation shall cease until the substrate is sufficiently dry to the satisfaction of the engineer. For colder or warmer application temperatures contact a Transpo representative for adjusted mix ratios.

MIXED RESIN AND AGGREGATE APPLICATION METHOD

Concrete Primer

Primer is not required for vertical surface. Primer may be used in tidal areas or where additional bond strength may be deemed necessary by an engineer or recommended by a Transpo Representative.

Mixing

Color-Safe resin comes in two components (pigmented resin, and catalyst). Thorough and complete mixing of these components with a drill mounted paddle mixer is vital for uniform curing and performance. Ambient temperature determines the amount of catalyst used; refer to Table 1 for the appropriate amount of catalyst to be added to the resin. Using clean, dry plastic buckets, add catalyst to the

resin and mix until dissolved (approximately 30 seconds).

After mixing, Color-Safe must be applied to the substrate immediately.

Table 1: Catalyst per Two Gallons of Color-Safe Resin or Primer

Temp °F / °C	Weight %	Packets (120 g each)
40-59 / 4-15	3	3
60-89 / 16-32	2	2
90-100 / 32-38	1.5	1.5

Resin Application

Before mixing and applying Color-Safe, premix entire container of resin before applying, masking and measuring volume to be mixed. Pour the mixed material in to paint tray and spread evenly with 1/4" framed nap rollers at a rate of approximately 35 to 40 square feet per gallon. The surface should have uniform even finish. Ensure any dripping or material is evenly distributed. After the application and before the material cures, remove masking. Additional coats are not required but can be applied if required to fill in bare spots missed after first coat has dried completely.

Table 2: Physical Properties* of Color-Safe

Property	Unit of Measure	Test
Resin		
Elongation	25% min	ASTM D638 Type IV
Hardness	60-70 Shore D	ASTM D2240
Water Absorption	0.25% max	ASTM D570
Pot Life	10 minutes max	AASHTO T237
Solids Content	99%	ASTM D1644

*The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.



STORAGE

Regardless of length of time in storage, all resin is to be premixed immediately before use. Materials shall be kept in dry, protected areas below 77°F / 25°C, out of direct sunlight, protected from open flame. Catalyst component shall be stored separately from other materials. Manufacturer's specific label instructions and prudent safety practices for storage and handling shall be followed at all times. Materials shall be suitable for use for twelve months after the date of manufacture when stored in accordance with the manufacturer's instructions.

CAUTION

The binder shall be 100% reactive, solvent-free, acrylic vehicle. Blends with other resins or liquid vehicles shall not be permitted. As with all chemicals, read SDS prior to use.

WARRANTY: The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of either product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product that proves to be defective. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

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To be used as general guidelines only.

The base language for this technical data sheet is English.

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