

TECHNICAL DATA SHEET



DESCRIPTION

ProCryl MMA Cove is a 100% reactive methyl methacrylate paste grade resin for cove base mortars and vertical applications. **ProCryl MMA Cove** hardens rapidly with the addition of **ProCryl MMA Initiator**, even at low temperatures.

BENEFITS

- ♦ Fast cure (60 min) for rapid recoat and return to service
- ♦ Contains Thixotropic fillers for vertical applications.
- ♦ VOC compliant (100% reactive)
- ♦ Full strength in less than 1 hour
- ♦ Use over wide temperature range – even below freezing

CONSIDERATIONS

- ♦ Substrate must be dry and free of dirt, waxes, curing agents and other foreign materials.
 - ♦ Do not store outside in direct sunlight as storage temperature must be <80°F.
 - ♦ On or below grade installation must have an efficient vapor barrier under the slab (minimum 10-15 mil).
 - ♦ Moisture Vapor Transmission must be less than 3 lbs per ASTM-F-1869 and less than 80% RH per ASTM F-2170. For higher moisture levels, consult with **ProREZ** Technical Services for recommendations.
 - ♦ If air or substrate temperature is below 32°F, **ProCryl LTC** (low temperature catalyst) should be used.
 - if <32°F, add 20 ml of **LTC**
 - if <0°F, add 75 ml of **LTC**
 - if <20°F, add 40 ml of **LTC**
 - if <-15°F, add 110 ml of **LTC**
- Note: Do not install ProCryl Resins below -20°F.**

COLOR SELECTION

ProCryl MMA Cove is supplied clear. **ProREZ Universal Colorants** are available for selected colors. Colorant mix ratio is 1 quart pigment per 5 gallons resin. See **ProREZ MMA Color Card**.

COMPOSITION

ProCryl MMA Cove is a 100% reactive methyl methacrylate resin.

SURFACE PREPARATION

Surface preparation is the most critical portion of any successful resinous flooring system. All substrates must be properly prepared as outlined in **ProREZ** "Surface Preparation Guidelines". In addition, **ProREZ MMA Flooring Systems** require a minimum surface profile of CSP 4-5, as outlined in ICRI Guideline 310.2-1997, formerly named G-03732 (available from www.ICRI.org). Work must be performed by trained or experienced contractors or maintenance personnel.

PROCRYL MMA COVE RESIN Mix Ratios, Pot Life and Cure/Temperature

Temp. (°F) of Resin, Air & Floor Surface	Initiator by Volume (oz) per Gallon of Resin	Pot Life (min)	Cure Time (min)
32-40°F	8 vol. oz	Approx. 15	Approx. 50
40-50°F	8 vol. oz	Approx. 15	Approx. 50
50-60°F	7 vol. oz	Approx. 15	Approx. 40
60-70°F	5 vol. oz	Approx. 18	Approx. 35
70-80°F	4 vol. oz	Approx. 15	Approx. 35
80-90°F	3 vol. oz*	Approx. 15	Approx. 40

*The initiator content can be decreased to increase working time, with a minimum of 3 oz per gallon needed for proper curing at >60°F. To accelerate cure time and/or colder temperatures, increase **ProCryl MMA Initiator** according to instructions.

ProCryl MMA Cove

MIXING AND INSTALLATION

ProCryl MMA Cove requires the addition of **ProCryl MMA Initiator** to start the hardening process. The amount of initiator must be adjusted to the respective surface temperature (see table page 1).

PHYSICAL PROPERTIES

Percent Reactive	100%, zero VOC
Working Life, 50°F-70°F	20-25 minutes, will vary with temp. & amount of Initiator
Recoat Time	45-60 minutes
Viscosity	Paste consistency
Weight per Gallon	8.1 lbs
Appearance	Bluish tint
Compressive Strength (mortar)	3,500-4,000 psi
Tensile Strength (mortar)	800-1,000 psi

FORMULATION GUIDE

Typical Batch Formula for Cove Base Mortar

MATERIAL	WEIGHT	VOLUME
ProCryl Cove	4.0 lbs	1/2 gallon
Blended Mortar Aggregate or Quartz	12.0 lbs	1 gallon
ProColor	N/A	6.4 vol. oz
Initiator	N/A	Follow chart

Coverage per batch is:

Yield* ±2.0 gallons of Mortar (0.27 cu. ft.)

Coverage	
1/8"	25 ft ²
3/16"	16 ft ²

*Note: Yield of mixed mortar will vary depending on mix design used. The above cove base mortar formulation is designed for installations from 1/8" to 3/16" thickness.

APPLICATION

ProCryl MMA Cove and initiator are mixed and blended with aggregates for 3 minutes until no lumps are present. Apply to the fully cured primed surface using a cove and/or flat trowel. **ProCryl MMA Cove Base Mortar** must be sealed/top coated with the same **ProCryl MMA** sealer used for the floor system.

CLEAN UP

Clean tools and equipment with **ProCryl Cleaner**. Consult Safety Data Sheet for safety and health precautions.

COVERAGE

100 ft²/gallon, minimum thickness. Two coats may be necessary on very porous substrates. Must achieve a consistent resin-rich layer over entire substrate.

STORAGE

Store in a cool and dry place, below 80°F, out of direct sunlight. Do not store near open flame or food. Shelf life is 6 months in the original unopened containers. After extended storage: Additives and fillers can separate with storage, materials should be inspected for any visible signs of settlement, polymerization, or paraffin coagulation (clumps, strands). Thoroughly mix pails or drums (use a drum mixer, do not rely on rolling drum on floor) and pour into new containers to inspect resin before use.

HELPFUL HINTS

Adequate cross ventilation should be provided. Good ventilation during the processing ensures a good cross linking and hardening. Read, understand and follow Safety Data Sheets and Applications Instructions prior to use. Use only as directed. If substrate and/or material temperature is above 90°F, DO NOT apply material.

TECHNICAL SERVICE

ProREZ is available to provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. A **ProREZ** Technical Representative is available to assist you. Telephone 860.436.2070 or visit us at prorezcoatings.com.

Warranties: Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. Seller makes no other warranty, express or implied, and all implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Seller shall not be liable for prospective profits or special indirect or consequential damages. Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product.