

PROCRYL™ Primer

TECHNICAL DATA SHEET



DESCRIPTION

ProCryl MMA Primer is a low viscosity, 100% reactive methyl methacrylate primer for all **ProREZ MMA Flooring Systems**. **ProCryl MMA Primer** is a reactive methacrylate resin, which hardens rapidly with the addition of **ProCryl MMA Initiator**, even at low temperatures.

BENEFITS

- ♦ Fast cure (60 min) for rapid recoat
- ♦ Good wetting properties for excellent bonding to concrete
- ♦ VOC compliant (100% solids), meets USGBC LEED requirements
- ♦ Full strength in less than 1 hour
- ♦ Use over wide temperature range – even below freezing

CONSIDERATIONS

- ♦ Proper surface preparation is key to a successful application- shot blasting using dust-free equipment is preferred.
 - ♦ Substrate must be dry and free of dirt, waxes, curing agents and other foreign materials.
 - ♦ Should not be installed on fresh concrete until maximum shrinkage has occurred (at least 30 days after placement).
 - ♦ 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.
 - ♦ Application **MUST** yield a consistent resin-rich layer, re-prime if resin absorbs into substrate. If a second Primer coat is necessary, it is advisable to lightly broadcast with quartz aggregate (30-40 mesh) before curing to provide enhanced mechanical bond. Note: A light broadcast is approx. 5 lbs per 100 sf.
 - ♦ Do **NOT** perform a “full broadcast to excess” of aggregate into **ProCryl MMA Primer**, lightly broadcast only. Do **NOT** use as binder resin for troweled mortars and thick slurry toppings.
 - ♦ 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.

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

PROCRYL MMA PRIMER 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. 8	Approx. 30
40-50°F	8 vol. oz	Approx. 8	Approx. 30
50-60°F	7 vol. oz	Approx. 8-10	Approx. 30
60-70°F	5 vol. oz	Approx. 8-10	Approx. 30
70-80°F	4 vol. oz	Approx. 8-10	Approx. 30
80-90°F	3 vol. oz*	Approx. 6-8	Approx. 30

*Do not use less than 3 oz **ProCryl MMA Initiator** by volume unless confirmed with jobsite testing.

Consult with **ProREZ Technical Services** if performing mix ratio by weight instead of by volume, and installations below 32°F.

ProCryl MMA Primer

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.

MIXING AND INSTALLATION

ProCryl MMA Primer 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).

ProCryl MMA Primer is spread evenly on the surface (no puddles) with notched trowels, and/or squeegees and back rolled with short-medium nap mohair or 3/8" rollers at no less than 100ft²/gallon on very absorbent surfaces. **IMPORTANT:** Two coats may be necessary on very porous substrates to get a consistent, resin-rich surface, this is necessary to ensure proper bonding with the next layer. It is recommended to lightly broadcast 20 mesh sand or colored quartz (approximately 1-2 lbs/100 ft²) into the wet primer. This will help in the application of the subsequent coating or troweled mortar. Apply next application of resin only after the primer is completely hardened.

COMPOSITION

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

PHYSICAL PROPERTIES

Percent Reactive	100%, zero VOC
Working Life, 50°F-70°F	8-10 minutes, will vary with temp. & amount of Initiator
Recoat Time	45-60 minutes
Viscosity @ 75°F	70-110 cps
Weight per Gallon	8.3 lbs

COLOR SELECTION

ProCryl MMA Primer 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**.

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.