

SELECTION & SPECIFICATION DATA

Type	Epoxy Primer
Description	RR&C CUE 8111 Primer/Resin is a penetrating, moisture-tolerant epoxy primer that seals porous concrete surfaces to prevent outgassing and associated blisters and pinholes. It promotes adhesion to a variety of finish coats.
Features	<ul style="list-style-type: none"> • No VOCs • Exceptional wetting characteristics • Low stress, highly flexible film • Adheres to damp concrete • Green concrete primer (7+ days)
Uses	<ul style="list-style-type: none"> • Concrete primer/sealer • Binder for RR&C Lightweight Concrete Repair Aggregate • Universal binder for trowel applied flooring • Binder for concrete resurfacing mortar
Color	Clear
Finish	Gloss
Dry Film Thickness (DFT)	3 - 5 mils per coat
Solids Content	99 - 100% by volume
Limitations	Will lose gloss, discolor, and chalk in sunlight.

SUBSTRATES & SURFACE PREPARATION

All	Substrate must be clean, dry and free of contaminants.
Steel	<p>Immersion: SSPC-SP 10/NACE 2 Near White Metal Blast with angular profile of 2.5 - 3.5 mils.</p> <p>Non-immersion: SSPC-SP 6/NACE 3 Commercial Blast with angular profile of 1.5 - 3.0 mils, SSPC-SP 2 Hand Tool or SSPC-SP 3 Power Tool Cleaning are suitable for mild environments.</p>
Concrete or Concrete Masonry Units (CMU)	Concrete must be cured a minimum of 7 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with SSPC-SP 13/NACE 6. Required surface profile is CSP 1 as stand-alone coating, CSP 3-5 under a topcoat. Voids in concrete surfaces may require filling. Mortar joints should be cured a minimum of 15 days.

MIXING & THINNING

Mixing	Thinning not required. Do not mix partial kits. Power mix parts A and B separately, then combine and power mix.	
Pot Life	150 GRAM SAMPLE	
	TEMPERATURE	HOURS/MINUTES
	50°F (10°C)	19 hrs 46 min
	77°F (25°C)	6 hrs 9 min
	122°F (50°C)	0 hrs 48 min
	Pot life is shorter at higher temperatures. A larger volume of mixed material will have a shorter pot life than a smaller volume.	
Cleanup	MEK or Acetone	

APPLICATION GUIDELINES

Spray Application	The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.
Airless Spray Single Leg or Hot Pot	<p>Pump Size: 30:1 or greater Hose Length: 200 ft x 3/8-inch ID Whip Length: 10 ft x 1/4-inch ID</p> <p>Part A resin and Part B hardener should be heated individually to 75°F - 85°F (24°C - 29°C) before mixing so product will atomize properly in delivering paint to the substrate.</p>
Brush & Roller	This material may be applied with brush or roller. Be aware of working life when using a brush or roller.
Brush	Medium bristle brush.
Roller	Short-nap synthetic roller cover with phenolic core.

CURE SCHEDULE & RECOAT WINDOW

TEMPERATURE	MINIMUM RECOAT	MAXIMUM RECOAT
77°F (25°C)	24 hours	14 days
100°F (37°C)	4 hours	48 hours
Return-to-service varies with chemical exposure. Consult with your Sherwin-Williams representative for guidance.		

PACKAGING, ESTIMATING & HANDLING

ITEM#	PRODUCT	PACKAGING
CUE8111-SMKT-EC	RR&C CUE 8111 Primer/Resin, Small Kit Each kit includes: - Part A Resin - Part B Hardener	1 gal (3.8 L) Kit 5.7 lbs (2.6 kg) Pail 3.4 lbs (1.5 kg) Jerrican
CUE8111-LGKT-EC	RR&C CUE 8111 Primer/Resin, Large Kit Each kit includes: - Part A Resin - Part B Hardener	4.8 gal (18.7 L) Kit 27 lbs (12 kg) Pail 16 lbs (7.3 kg) Pail

Theoretical Coverage Concrete: 320 - 530 square feet per gallon at 3 - 5 wet mils per coat. Allow for loss in mixing and application.

Storage & Shelf Life Maintain products in original packaging and sealed until ready for use. Estimated shelf life is 12 months when stored in a dry area at 70°F (21°C). Actual shelf life may vary with storage conditions.

If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult with your Sherwin-Williams representative.

SAFETY

Safety Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

Ventilation Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	SUBSTRATE	VALUE
Dry pull-off adhesion ASTM D4541	Blasted steel 1 coat	>2,500 psi (17 MPa)
Dry pull-off adhesion ASTM D4541	Concrete	>500 psi (3.4 MPa), concrete failure

SERVICE TEMPERATURE

SERVICE	MAXIMUM TEMPERATURE
Dry, continuous	176°F (80°C)
Dry, non-continuous	203°F (90°C)

Temperature limitations will vary with chemical exposure. Consult with your Sherwin-Williams representative for guidance.

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