CONCRETE RESTORATION PRODUCTS

TECHNICAL DATA SHEET (TDS)

Sand Bed Primer

PRODUCT DESCRIPTION

CRP Sand Bed Primer is a low-solids penetrating acrylic primer designed to stabilize epoxy broadcast sand beds prior to the installation of cementitious self-leveling overlays. The product is engineered to lightly bind loose fines, reduce micro-fracturing within the sand structure, and improve substrate continuity without creating a heavy film build or membrane.

CRP Sand Bed Primer is intended for interior use only.

FEATURES & BENEFITS

- Ultra-thin penetrating acrylic primer
- Helps stabilize micro-fractures in sand beds
- Reduces loose fines and dusting
- Maintains mechanical profile for overlay bonding
- Fast drying
- Low odor
- Interior use only
- Water-based formulation

IDEAL APPLICATIONS

- Over properly cured epoxy broadcast sand beds before self-leveling overlay installation
- On interior commercial and industrial floor restoration projects
- In polishable self-leveling overlay systems requiring strong mechanical bond retention
- On dusty or slightly micro-fractured sand broadcast surfaces needing stabilization
- In decorative concrete resurfacing systems where a thin penetrating primer is preferred over a film-forming coating

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TECHNICAL DATA

Property	Typical Value
Appearance	Milky white liquid
Dry Appearance	Clear to low sheen
Odor	Mild
pH	9.0-10.0
Specific Gravity	~1.00 – 1.03
VOC Content	<50 g/L
Solubility	Water soluble
Active Content	5-6%
Total Solids	5-6%
Relative Density	0.95-1.05
Freeze Point	32°F (0°C)

COVERAGE RATE

300–500 sq ft per gallon, depending on sand texture, porosity, and broadcast profile.

SURFACE PREPARATION

- Surface must be **clean, dry, and free of contaminants**
- Do not grind sand bed surfaces prior to primer application.

Recommended preparation sequence:

1. Allow epoxy broadcast system to properly cure.
2. Scrape excessive or sharp sand peaks if necessary.
3. Vacuum thoroughly.
4. Lightly leaf blow or use clean oil-free air to remove remaining loose fines and dust.
5. Apply CRP Sand Bed Primer in a thin penetrating coat.

APPLICATION INSTRUCTIONS

1. Apply using low-pressure sprayer, soft broom, or squeegee. Do not apply using microfiber applicators.
2. Apply in a very thin, uniform coat. Avoid puddles, heavy saturation, or visible film build.

OVERLAY INSTALLATION WINDOW

- Apply self-leveling overlay within 6–8 hours of primer application.
- Do not allow primer to remain exposed for extended periods prior to overlay placement.
- Primer should appear transparent with no visible puddles or glossy film prior to overlay installation.

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DRY AND CURE TIMES

- Dry time: 30-60 minutes
- Recoat / Overlay window: 6-8 hours

⚠ IMPORTANT APPLICATION NOTES

- DO NOT OVERAPPLY. Apply in a thin penetrating coat only. Heavy application, puddling, or visible film build may reduce self-leveling overlay bond performance.
- Surface should appear slightly darkened after application with no glossy or milky appearance.
- Self-leveling overlay should be installed within 6–8 hours of primer application.
- Primer should be transparent and dry-to-touch prior to overlay placement.
- Do not apply in direct sunlight or elevated surface temperatures.
- Do not grind epoxy broadcast sand beds prior to primer application.

LIMITATIONS

- Interior use only
- Not intended as a standalone coating or moisture barrier
- Excessive film build may reduce overlay bond performance
- Not recommended for exterior UV exposure

CLEANUP

Clean tools and equipment with **water immediately after use**

STORAGE & SHELF LIFE

- Store in original container
- Store out of direct sunlight in a cool, dry indoor environment
- Keep tightly closed
- Store between **50°F – 90°F (10°C – 32°C)**
- Do not freeze
- Shelf life: **12 months (unopened)**

PACKAGING

1-gal, 5-gal, 55-gal, 275-gal totes

⚠ SAFETY INFORMATION

- Causes skin and eye irritation
- Avoid contact with eyes and skin
- Use appropriate PPE (gloves, eye protection)
- Use in well-ventilated areas

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FIRST AID

- Eyes: Flush with water for 15 minutes
- Skin: Wash with soap and water
- Inhalation: Move to fresh air. If symptoms persist, seek medical attention
- Ingestion: Seek medical attention

DISPOSAL

Dispose of in accordance with **local, state, and federal regulations**

MANUFACTURER

Concrete Restoration Products
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(855) 846-8277

LIMITED WARRANTY

FOR PROFESSIONAL USE ONLY.
The manufacturer warrants this product to be of uniform quality. Liability is limited to replacement of product only. User assumes all risks and responsibility for use and application.