

RICHARD JAMES
Specialty Chemicals Corp.
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200-SERIES™ Epoxy Primer

New Chemistry for Exceptional Results

✓ over fresh, damp or "problem" cements

The 200-Series™ is a high-adhesion waterborne primer for fresh concrete, adverse moisture conditions and unstable powdering surfaces. It is superb as a curing compound that meets ASTM C1315-08 and C309-07, as a primer for RJSC sealers, and as a basecoat for hard-flooring overlays (standard mastics adhere extremely well). The benefits of the 200-Series as a vapor barrier are shown by typical results on a high-emission concrete slab.

mature concrete, bead blasted **8.9lbs./24 hours/1,000 sq.ft**
same slab after 2 coats 200-Series **2.8lbs/24 hours/1,000 sq.ft.**

NOTE: 2.8 lbs. emission is below the threshold of 3 - 4 lbs. for overlayment.

This high-adhesion moisture control is accomplished by the innovative chemistry of the 200-Series. Several different waterborne epoxy chains are catalyzed by a unique system. Unlike other epoxies, the 200-Series is not neutralized or blocked by substrate alkalis, salts or additives. Even over older potentially contaminated concrete, 200-Series, with O-S/W™ Substrate Conditioner, achieves permanent adhesion in the most difficult circumstances.

✓ the ideal permanent vehicle for RJSC topical stains and colorants

RJSC E-Type™ Colloidal Dyes are blended into the 200-Series for dense, permanent topical coloration or for complex, subtle artistic blends and effects. The binding strength of these color systems offers architects, designers and contractors wide latitude and high job-site efficiency. And with a virtually unlimited range of colors which can be blended using RJSC's E-Type Colloidal Dyes, plus a choice of application techniques, creative options are greater than ever before.

✓ resins that penetrate

The 200-Series primer is formulated to "walk" into substrates, even those with relatively tight surface matrices such as the new self-leveling cements and hard-troweled concrete. The tiniest resin structures go deep and form a soft "pillow" that cushions and spreads water pressure from the bottom. These resins also carry RJSC stains and colorants into the substrate with no weakening of the surface matrix.

✓ a highest-adhesion color-enhancing primer for RJSC aqueous STONELOK™ sealers

The chemical engineering of the 200-Series resins plus catalyst delivers its function as a highest-adhesion primer. The catalyst:epoxy ratios are calibrated so that when 200-Series is top-coated with RJSC StoneLok sealers within 18 hours, the epoxide groups are still open and a monolayer chemical "lock" of outstanding strength is formed.

This 200-Series + StoneLok system is also the ideal finish for acid-stained concrete. Elcometer tests show that acid-staining can compromise topical strength; and that solvent sealers for "color pop" still leave the surface fragile. RJSC's 200-Series + StoneLok system gives both color intensification and increased topical strength; and minimizes the need for elaborate rinsing/drying operations.

HIGH COVERAGES

300-900 sq.ft./gallon

EXTREMELY LOW VOC

2.35 g/L

EASE of APPLICATION

Choice of paint-pad or air-less sprayer for *colored* or *clear* primer coat.

Choice of pump or HVLP sprayer for *staining*.

SHORT CURE TIME

StoneLok™ sealer or mastic is applied as soon as print free, typically in 3 - 5 hours (but always within 18 hours)

FOR FASTEST-TRACK PROJECTS

No need to wait 28 days for concrete to cure. The 200-Series can be applied within 48 hours of concrete pour.

for information on:

- ▶ Colorants for 200-Series
- ▶ Dry and Wet Samples
- ▶ Application Directions
- ▶ Moisture Situations
- ▶ Technical Support

contact:

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**SUBJECT TO RJSC MSDS,
LIMITED WARRANTY
and restocking policy**

Typical ASTM D4541-85 Elcometer pull readings over adverse concrete conditions.
With 2 coats 200-Series, a plug of concrete is pulled out, showing the substrate under the coating fails, not the coating.

<u>Concrete condition...acid-stained</u>	<u>with 4% CaCl(4x normal loading)</u>	<u>with 4% CaCl + efflorescing lime</u>
<i>Base</i> 250 lbs.	310 lbs.	240 lbs.
<i>W/2 coats 200-Series</i> 450 lbs.	450 lbs.	450 lbs.

200-Series, StoneLok, O-S/W and E-Type are trademarks of Richard James Specialty Chemicals Corp., Hastings on Hudson, NY © 1998- 2010 (12130) Test results are actual but will vary based on substrate and site conditions.