

G-SERIES™

Primer

ADVANCED CHEMICAL TECHNOLOGY

- ▶ for use as a surface primer over *Proflow™* & cementitious materials
- ▶ for use as an interfacial bonding agent under gypsum-based products

The G-Series is a 2-component aqueous epoxy that has been developed by Richard James Specialty Chemicals Corp. (RJSC) to offer the adjacent specific benefits. Advanced chemical compositions and technologies create interfacial adhesion not possible with standard sealers over or under gypsum-based materials; and superior to typical epoxies over cementitious substrates.

For surface applications, G-Series can be applied as a clear or solid-color coat, or as a single or multi-colored stain. Color selection is virtually unlimited and the range of design options is extensive. Finishing is with one of RJSC's high-durability StoneLok™ sealers, including "2K", "E3", or "E".

For top-surface use, G-Series is applied with a roller or airless sprayer for clear or solid-colored coats and with a pump-sprayer for staining.

For use under gypsum-based products as an interfacial bonding agent, G-Series is applied with roller or airless sprayer over clean, absorbent concrete; and the underlayment/topping is poured after 1 - 2 hours when G-Series is "set" but still tacky. Concrete prep includes confirmation of mechanical condition (with no remaining laitance and absorbency (typically achieved with appropriate grinding or shot-blasting to open pores). The surface profile should be an ICRI CSP of 2, not to exceed 3 (about 0.010 - 0.015 in.) and all contamination must be removed (including sealers, curing compounds, salts, oils, dirt, dust and any residues that may detach or delaminate over time, or may cause adhesion interference). Acid etching is not acceptable. Citrus-based cleaners must not be used.

Surface and ambient temperature for all installations must be 65°-85°F., with humidity <60%; and good air circulation (to be maintained throughout the course of the work, and continuing for 2 days after completion for wear-surface installations).

- ◆ Exceptional bonding to unique as well as standard substrates
- ◆ Resistance to both acid and alkali contamination
- ◆ High impact resistance
- ◆ Water-based; Very low VOC
- ◆ Colorable as solid or stain
- ◆ Extremely fine flow & leveling
- ◆ Superb chemical & solvent resistance

PHYSICAL PROPERTIES and PERFORMANCE CHARACTERISTICS

PROPERTY	RESULTS	TEST METHOD
% Solids	35%	ASTMD 3960
Weight Per Gallon (in lbs)	8.87	ASTMD 1475
VOC	247 g/l catalyzed	ASTMD 3960
Adhesion	280 lbs. - 400 lbs typical <i>no delamination concrete/gypsum failed first</i>	ASTMD 4541-85
Tabor Abrader 1000g. CS17, 1000 cycles	typical 45 mg loss	ASTMD 4060
Tensile Strength	typically 6,500 psi	
Elongation	typically 20% at cure	ASTM 96
Freeze/Thaw	stable	

CHEMICAL and SOLVENT RESISTANCE

30 minute spot tests

Xylene	no effect
Toluene	slt. Softening, recovers
Mek	no effect
Butoxy ethanol; 409	no effect
Isopropyl alcohol	no effect
1 N. HCL	temp. whtning, recovers
glacial acetic acid	no effect
engine oil	no effect
brake fluid	no effect

COVERAGE, DRY TIMES, PACKAGING

Coverage	250 - 300 sq.ft./gal (substrate dependent) (~6mls DFT; ~2.2 mls DFT)
Coverage as stain	up to 2000 sq.ft./gal
Dry Rate	
Set to Touch	2 hours typical
Print Free Time	8 hours typical
Light service	12 - 24 hours
Standard service	48 hrs. minimum
Full cure and protection	3 - 4 days

Available in 1- and 2-gallon units for easy in-bottle mixing.

SUBJECT to RJSC MSDS and LIMITED WARRANTY

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