

CRILAT 5850

Crilat 5850 is a small-particle-sized, self-crosslinking, pure acrylic polymer emulsion developed for the concrete and masonry market. It is highly versatile for formulating indoor and outdoor applications for clear, tinted and opaque formulations.



The main characteristics of coatings formulated with Crilat 5850 are:

- Superior abrasion and scrub resistance.
- Excellent early water resistance and blush resistance.
- Excellent chemical resistance.
- Great hot-tire pickup resistance.
- Excellent adhesion to various substrates, such as concrete, masonry, tiles and glass.

APPLICATIONS

Crilat 5850 can be used to formulate horizontal and vertical sealers for concrete and masonry. It is highly versatile for formulating indoor and outdoor applications for clear, tinted and opaque formulations. It is APEO-free and compatible with commonly used coalescents and other raw materials.

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	TYPICAL VALUES
Solids content	42.5%
Brookfield viscosity	45 cps
pH	9.0
Minimum film-forming temperature	+30°C
Glass transition temperature	+55°C

Formula Guidelines for Clear Concrete Sealer

	% WT
Crilat 5850	57.8
Water	36.7
Glycol ether PPh	2.6
Optifilm™ 400	1.6
BYK-024	0.2
BYK-333	0.1
SURFYNOL® PSA 336	0.5
Ammonium hydroxide 28%	0.1
ACRYSOL™ RM-8W	0.2
Acticide® MBS	0.2
Total	100.0

Properties of Clear Concrete Sealer

Coalescent demand	17%
VOCs	95 g/L
Low-temperature coalescence (40°F)	Pass
Gloss (air dry, 20°/60°)	
Drawdown (3 mils)	68° / 85°
Quarry tile (2 coats, 400 ft ² /gal.)	6° / 35°
Concrete (2 coats, 400 ft ² /gal.)	1° / 10°

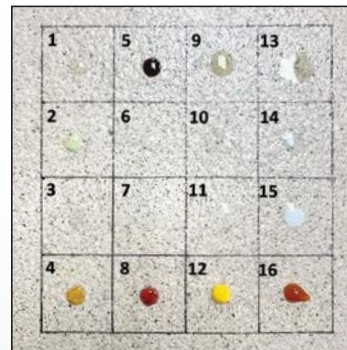
Properties of High-Performing Concrete Sealer

- Hot-tire pick-up resistance (60°C, 100 psi, 2 hours)
- No loss of adhesion
- Virtually no tire imprint
- Chemical resistance
- Little or no staining is observed
- Wet look
- Paving stone without sealer
- Two coats of sealer produces a color-enhancing wet look



Top: Without sealer
Bottom: With sealer

Testing results of 2 hours of chemical exposure and, after removal, 1 hour of recovery



1. New motor oil
2. Antifreeze
3. Fantastik
4. Hot coffee
5. Used motor oil
6. Mineral oil
7. Windex
8. Red wine
9. Brake fluid
10. Rubbing alcohol
11. Formula 409
12. Mustard
13. Gasoline
14. Nail polish remover
15. 15% bleach solution
16. Ketchup



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