



Pruett-Schaffer
Coatings for a Green World
412-771-2000

www.pruett-schaffer.com

PRODUCT NUMBER **PRODUCT NAME**
23-SERIES **Self-Crosslinking, Waterbased, Acrylics**

GENERAL DESCRIPTION

Pruett-Schaffer's 23 series is a very fast air-drying, self-cross-linking, water based, acrylic coating. It is designed as a gloss or semi-gloss, spray or roll applied finish coat for concrete maintenance applications. It exhibits good film hardness and flexibility, and excellent water, solvent, and abrasion resistance. Resists hot tire pick-up.

RECOMMENDED USES

This product is recommended for maintenance use over concrete, cement block and existing coatings. It will provide long term, cost effective protection against water, salt, oil, chemicals, and alkali cleaners. It can also be used over a 20 series acrylic primer as a heavy duty maintenance coating.

SURFACE PREPARATION

At a minimum for acceptable performance, surfaces to be coated must be clean and dry, free of oil/grease, loose rust/paint, dust, and chalk. Feather all rough or sharp edges. Existing coatings must be tightly adhering. Some well-cured existing coatings may need to be de-glossed by sanding or abrasion for this coating to develop its best adhesion; test patches should be made to determine if adhesion is adequate.

THINNING

Under normal conditions no thinning is necessary. If desired, thin with water, do not use organic solvents. Add a little at a time with constant gentle agitation to a maximum of 5% by volume.

APPLICATION EQUIPMENT

Airless spray equipment is the preferred method of application and will result in the best appearing finish. They may be applied by brush or roller of 3/8-inch nap or less. Touch up by brush or tie in sprayed areas within 10 minutes for best results. Use .015-.017 inch spray tip size. Typical recommended dry film build per coat is between 1.5 and 3 mils when sprayed.

DRYING TIMES & TEMPERATURES

Dries set to touch in 30 minutes and dries hard in 1 hour at 77 °F and 55% R.H. for light foot traffic. Full hardness achieved in one week. Full chemical resistance may take 10 days to 2 weeks.

CLEANUP

These products clean up easily with soap and water while wet, but are difficult to

remove when dry. Organic hydrocarbon or ketone solvents are not recommended for general cleanup but will soften the film so that it can be physically removed.

ENVIRONMENTAL

These coatings meet current air pollution regulations regarding hydrocarbon and ozone reactive emissions. They are VOC compliant for architectural and maintenance use, and industry. They contain no chromate and comply with current federal regulations regarding the use of lead in paint.

PHYSICAL PARAMETERS

VOC, ASTM D-3960: 1.26 lb./gal
NONVOLATILE:

By weight: 40.0% By volume: 30.3%
DENSITY, ASTM D-1475: 9.62 lb./gal
THEORETICAL COVERAGE:
486 square ft/gallon @ 2mil, dry film
INITIAL GLOSS, 60°: 40-65
IMPACT RESISTANCE, ASTM D-2794:
Direct: >60 in lb
Reverse: >20 in lb

CHEMICAL RESISTANCE :
Chemical Resistance: *

	Softness/Appearance
Water	10/10
10%NaOH	10/ 9
409 Cleaner	10/10
Brake Fluid	3/9
70% IPA (Alcohol)	10/10
Gasoline	10/10

(*after one hour recovery)

SCALE: 0=failure 10=no change
Changes recovered to 10 when film was allowed to dry.

WATER RESISTANCE:
24 hours No effect
1 week No effect

VISCOSITY, ASTM D562: 80-90KU
FLASH POINT PENSKEY-MARTINS :152F

THIS INFORMATION RESULTS FROM TESTS CONDUCTED IN A LABORATORY UNDER LABORATORY CONDITIONS. DIFFERENT RESULTS MAY BE OBTAINED IN COMMERCIAL USE OF THIS PRODUCT UNDER FACTORY OR FIELD CONDITIONS. PRUETT-SCHAFFER MAKES NO WARRANTY CONCERNING THE SUITABILITY OF THIS PRODUCT FOR THE END USE CONTEMPLATED BY THE BUYER, EXCEPT THAT THE PRODUCT SHALL BE IN COMPLIANCE WITH THE TECHNICAL SPECIFICATIONS PRESENTED HEREIN.

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