VERSATILE
HIGH-PERFORMANCE COATINGS

4195 DIRECT TO CONCRETE PRIMER

Installation Guide

PRODUCT DESCRIPTION:

Versatile's 4195 is a low odor, low VOC 95% solids pigmented epoxy primer/body coat engineered with wicking technology resulting in deep slab penetration creating incredible bond strength to concrete substrates and the ability to withstand up to 8lbs moisture vapor transmissions. 4195 provides excellent working time for application and allows for a consistent flake broadcast.

APPLICATIONS:

- Residential Floors
- Commercial Floors
- Industrial Floors

ADVANTAGES:

- Bonds to damp surfaces
- Cures under cool wet conditions
- 95% solids
- Low Odor
- Low VOC
- Can be accelerated for low temperatures or allowing for 1-day install
- Extended open times allows for consistent broadcasting coverage

LIMITATIONS:

- Ambers with UV exposure
- Will not bridge cracking

COLORS:

BLACK	BEIGE
BAJA BEIGE	SANDSTONE
SLATE GREY	CHARCOAL GREY
COTTONWOOD	WHISPER GREY
MOCHA	WHITE

COVERAGE RATES:

OVER CONCRETE SUBSTRATE	
1ST COAT	200-250 FT^2 / GAL @ 6.4-8 MILS WET FILM
2ND COAT	225-275 FT^2 / GAL @ 5.8-7.1 MILS WET FILM

TECHNICAL PROPERTIES:

VOLUMETRIC MIX RATIO	3A:1B	
VOLUMETRIC SOLIDS	95%	
VOC	30 g/L	
POTLIFE (1.5 GAL MASS)	60 Mins @ 75°F	
WORKING TIME	50 Mins @ 75°F	
DRY TO TOUCH	8-12 Hours @ 75°F	
RECOAT WINDOW	12-24 Hours	
FULL CURE	5-7 Days	
PENCIL HARDNESS	ASTM D3363	H-2H
TENSILE STRENGTH	ASTM D638	8,600 PSI
FLEXURAL STRENGTH	ASTM D790	11,200 PSI
COMPRESSIVE STRENGTH	ASTM D695	10,100 PSI
ADHESION	ACI 503R	450 PSI
WATER VAPOR TRANSMISSION	ASTM E96 PROCEDURE B	0.2272 g/Hr/Ft^2
FLAMMABILITY	SELF-EXTINGUISHING	

CHEMICAL RESISTANCE:

ACETONE	SLIGHT SPOTTING
XYLENE	NO EFFECT
10% HCL	SPOTTING
AMMONIA	NO EFFECT
DEGREASER	FAINT SPOTTING
LIQUID PLUMMER	FAINT SPOTTING
VINEGAR	FAINT SPOTTING
CLOROX	FAINT SPOTTING
WINDEX	NO EFFECT
MOTOR OIL	NO EFFECT
GASOLINE	NO EFFECT
SKYDROL	NO EFFECT
HOT TIRE	NO EFFECT

PACKAGING:

1 Gallon Kit	20 Gallon Kit

STORAGE:

Store materials indoors between 50°F & 75°F

SHELF LIFE:

One year from date of manufacture

US Manufacturing
1900 Lakeway Dr, Suite 500
Lewisville, TX 75057

Tel: 214-807-6878
www.versatile.net

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APPLICATION EQUIPMENT:	
Protective Clothing	**18” Roller Frame** *SKU - 7012*
Jiffy Mixing Paddle *SKU – 7050*	**18”x3/8" Nap Roller Cover** *SKU – 7006-1*
Slow Speed Drill	**8-12 mil Notched Squeegee** *SKU – 7090-K*
Spike Shoes *SKU – 7045-D*	**4” Chip Brush** *SKU - 7000*

SUBSTRATE REQUIREMENTS:	
CONCRETE:	Concrete must be structurally sound and free of all dirt, debris, and contaminants
PROFILE:	Concrete shall be porous and have a Concrete Surface Profile (CSP) level between 2 & 4
MOISTURE:	Substrate shall have Moisture Vapor Emission Rate (MVER) of 8lbs / 1000 ft^2 / 24 hr. or less
TEMPERATURE:	Ambient and substrate temps must be above 35°F and Relative Humidity should not exceed 65%

SURFACE PREPARATION:	
	**Perform Moisture Test** using Calcium Chloride concrete moisture test kit per ASTM F1869 1 test/1000 ft^2 is recommended.
	**Patch** all depressions, divots and cracks using 4900 5-minute Crack Weld, 4930 Polyurea Crack & Spall Filler, or Divot Patch to reduce the ability to see the defect through the epoxy coating.
	**Concrete** should be mechanically profiled and prepared to produce a Concrete Surface Profile (CSP) level between #2 & #4 according to the (ICRI) Guideline No. 03732.

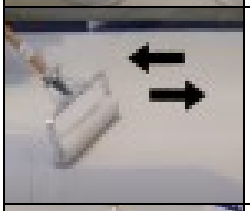
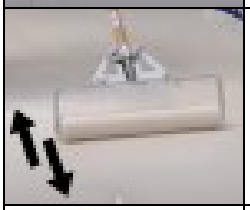
PLEASE REVIEW SAFETY DATA SHEETS (SDS) & CHEMICAL SAFETY GUIDE FOR SAFETY AND PRECAUTIONS

ENVIRONMENTAL FACTORS:
Working times are affected by environmental conditions. Large masses of mixed and/or heated material will have shorter pot-life. **Keep material core temps between 50-75°F. In elevated temps consider icing buckets to reduce product temps and cold climates use pail warmers**

4195 MIXING STEPS:	
	**Premix A-Component with drill at slow speed for 30 seconds to thoroughly blend pigment.**
	**Pour B-Component** into pre-mixed A-Component (If mixing bulk kit be sure to follow specified 3A:1B ratio)
	**Mix A & B Components** using drill at slow speed for 2 minutes (If using optional accelerators add while mixing) **41 SERIES ACCELERATORS** 37-45°F: 2 Accelerators/Gal 45-60°F: 1-2 Accelerators/Gal
	**Transfer mix to new mixing vessel**
	**Continue to mix** for an additional 30 seconds to ensure components are thoroughly blended.

4195 APPLICATION STEPS:	
COVERAGE RATES:	
1ST COAT	200-250 FT^2 / GAL @ 6.4-8 MILS WET FILM
2ND COAT	225-275 FT^2 / GAL @ 5.8-7.1 MILS WET FILM

APPROXIMATE WORKING TIMES: 50 MINS @ 75°F	
1 ACCELERATOR/ GAL	**2 ACCELERATORS/GAL**
40 MINS @ 75°F	**30 MINS @ 75°F**

	**Cut in edges and stem walls** if applicable with 4" chip brush and **Pour a band** of mixed material out onto the floor roughly 6-8" wide
	**Begin spreading** with an 8-12 mil notched squeegee or 18"x 3/8" nap roller. Work material evenly keeping a wet edge
	**Perform a Single Backroll** on the surface by walking into the wet material wearing spike shoes and roll perpendicular to your first direction of application. Broadcast into wet material immediately.
	**Allow system to dry** typically standard 8-12 hours at 75°F **ACCELERATED** dry time 4-6 hours at 75°F

CLEAN-UP:

Immediately clean up splatter marks and tools with MEK or Acetone. Clean hands and exposed skin with mild soap and water, and/or citrus based hand cleaner.

MAINTENANCE:

Maintain 4195 to minimum of 4 mils dry film.

DISCLAIMER:

All information provided in this technical data sheet is based on laboratory data. It is the responsibility of the customer to test the material for their application and conditions prior to using the product.

TEMPERATURE:

The product was tested at ambient temperature (75°F -77°F). Results WILL vary when product is used at temperatures different from testing temperature. The pot life, gel time, and cure time is generally longer for colder temperature applications, and shorter for higher temperature applications. Physical properties are also impacted and dependent upon temperature.

SLIP RESISTANCE:

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Versatile High-Performance Coatings recommend the use of angular slip resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily, or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Versatile High-Performance Coatings or its sales agents will not be responsible for injury incurred in a slip and fall accident

WARRANTY:

Versatile High-Performance Coatings guarantees that this product is free from manufacturing defects and complies with our published specifications. If the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. Versatile High-Performance Coatings (herein referred to as "seller") makes no warranty, expressed or implied, regarding the use of its products. Since use of this product is beyond the seller's control, the buyer assumes all risk of use. Seller's obligation shall be to replace material if found defective. Seller shall not be liable for any damage, injury, loss, direct or consequential, resulting from the use of its products. End user must determine if substrate is suitable for coating application before installing.

TECHNICAL SERVICES:

Technical services can be obtained by contacting Versatile High-Performance Coatings directly at 214-807-6878.