

COLORPAVE HD-500 Neutral Base

SMT-161

REVISED 03/02/21

PRODUCT DESCRIPTION

Colorpave HD-500 Neutral Base is a self-priming 100% acrylic water based emulsion designed for exceptionally high durable pavement color coating. ColorPave HD 500's unique crosslinking technology provides durability normally associated with hot melt thermoplastics and epoxies. ColorPave HD-500 provides superior fuel resistance. ColorPave HD-500 is fortified with sand for slip resistance. ColorPave HD-500 is supplied in a neutral color designed to be mixed with ColorPlus Pigment dispersion to achieve desired color. ColorPlus Pigment Dispersion is sold separately and available in numerous color choices.

USES

ColorPave HD-500 Neutral Base is designed to protect and beautify asphalt pavement surfaces including roadways, streets, driveways, parking lots, walkways, golf cart paths, amusement parks, and more.

IMPORTANT: Do not apply to pavement surfaces that have previously been sealed with coal tar or asphalt based sealers.

COMPOSITION

ColorPave HD 500 Neutral Base is a 100% acrylic water based emulsion coating featuring a unique crosslinking technology that provides exceptional durability. Mineral fillers and surfactants are added for additional product performance.

SIZES

ColorPave HD-500 Neutral Base is available in 5-gallon pails containing approximately 4 gallons of liquid material.

COLOR

ColorPave HD-500 Neutral Base is supplied in a neutral color. ColorPave HD 500 is designed to be mixed with ColorPlus Pigment Dispersion to achieve desired color. To see all available color options, refer to the ColorPlus technical data sheet, or visit the SealMaster Website.

LEED CREDITS

Contact your SealMaster Representative for specific colors that are available for LEED Credits.

LIMITATIONS

ColorPave Neutral Concentrate shall not be applied when surface or ambient temperature is below 50°F. Do not apply if temperature is expected to drop below 50°F at any time within a 24 hour period after application.

PHYSICAL/CHEMICAL PROPERTIES

ColorPave HD-500 is a highly durable pavement coating

that meets the following material requirements when tested in accordance with ASTM D1475, ASTM D3960, ASTM D562, ASTM D711, ASTM D2486, ASTM D4585, ASTM D2243, and ASTM D2369 (see chemical and physical analysis chart below).

Chemical & Physical Analysis: Table 1	
Characteristics	Requirement
Resin	Waterborne latex
% Solids by weight	>77%
% Solids by Volume	>62%
Weight per gallon	14 lbs./gal
% non-reactive fillers	<38%
% silica sand	>15%
Volatile Organic Compounds	<70 g/l
Boiling Range	Above 212°F
Vapor Density	Heavier than air
Flashpoint ASTM D 3278	> 201°F
Hazardous Ingredients	None
Viscosity @ 70°F (20°C)	95-110 KU
Mix Ratio (Coating: Liquid Tint) gal/pints	4 gal: 1 pint
Dry mil thickness per coat	20 to 25 mils
Number of coats to achieve rec. thickness	2-3 coats

Chemical & Physical Analysis: Table 2	
Test	Requirement
Dry Time (to re-coat) @ 50°F (10°C)	45 min
Dry Time (to re-coat) @ 90°F (32°C)	25 min
85% Cure (to permit traffic) @ 50°F (10°C)	5 to 7 hours
85% Cure (to permit traffic) @ 90°F (32°C)	1 to 3 hours
A STM 2486 Scrub Resistance (30 dry mils) Applied as a per manufacturers specifications	6000 cycles to max loss of 50% coating thickness
Dry mil build thickness per coat	20 to 25 mils
Temp. limits for service (of cured material)	-40°F to 150°F
Friction using a locked wheeled tester at 30 mph	>50 FN30R
Friction using a locked wheeled tester at 30 mph	>45 FN30R
Pedestrian Friction ASTM E303 British Pendulum	>75 BPN

Peformance Characteristics of ColorPave HD Tint (Liquid)	Results
Inorganic Iron Oxide Pigments >96% Pure	Passes
>95% of pigment passing a 325 mesh sieve	Passes
Non-Fading	Passes
Non-Toxic	Passes
Alkali Resistant	Passes
Water Insoluble	Passes
Inert	Passes
Light Resistant	Passes
Inorganic	Passes
Lime Proof	Passes

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ENVIRONMENTAL CONSIDERATIONS

ColorPave-HD 500 is an environmentally friendly 100% acrylic emulsion coating containing less than 75 grams per liter volatile organic content (VOC).

INSTALLATION

Surface must be clean and free from all loose material, dirt, grease, and oil.

METHODS

ColorPave-HD 500 shall be applied by squeegee, spray, brush, or roller.

MIXING PROCEDURES

5-Gallon Pails: Add a minimum of 1 pint (2 cups/16 oz) of ColorPlus Pigment Dispersion to one 5-gallon pail (4-gallons) of ColorPave-HD 500 Neutral Base. Mix thoroughly until Tint is completely dispersed into the Neutral Base. If needed, a small amount of water may be added to facilitate application.

APPLICATION

For optimum performance and durability apply two coats of ColorPave-HD 500.

APPLICATION RATE

Apply ColorPave HD-500 at a rate of .13 to .15 gallon per square yard (60 to 70 square feet per gallon) per coat. Two to three coats are recommended for optimum performance.

ESTIMATING MATERIAL REQUIREMENTS

Typically, one gallon of ColorPave HD-500 will cover approximately 60 to 70 square feet (6.7 to 7.8 square yards) per coat. Two to three coats are recommended for optimum performance.

NOTE: Coverage rates may vary due to pavement porosity and method of application. Extremely porous pavement will typically result in reduced coverage rates.

PRECAUTIONS

Both surface and ambient temperature shall be a minimum of 50°F. Temperature shall not drop below 50°F in a 24 hour period following application. New asphalt surfaces shall be completely free of oils prior to coating. Keep Out Of Reach Of Children. Do not store unopened drums or pails in freezing temperatures.

PACKAGING AND AVAILABILITY

ColorPave HD-500 is available in 5-gallon pails. ColorPave HD-500 is supported by a national network of SealMaster manufacturing facilities along with a national network of qualified applicators.

WARRANTY AND DISCLAIMER

The statements made on this technical data sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose.



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