

1. PRODUCT NAME
ColorPave HD 500
Neutral Base

2. MANUFACTURER
ThorWorks Industries, Inc.
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Sandusky, OH 44870
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Additional Plant Locations:
SealMaster has a nationwide network of manufacturing and distribution facilities.

Phone 1-800-395-7325 or visit website at www.sealmaster.net to find the location near you.

3. PRODUCT DESCRIPTION & BENEFITS
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 ColorPave HD Tint (Pigment Dispersion) to achieve desired color. ColorPave HD Tint is sold separately and is available in numerous color choices.

Basic 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 ColorPave HD Tint to achieve desired color. Standard ColorPave Tint colors include

Graystone, Brickyard Red, Forest Green, Sahara Beige, Terra Cotta, Slate Gray, Brownstone, Olivestone, Burnt Sienna, Sandstone*, Light Green*, Red*, and Dove Gray*.

LEED: SS Credit 7.1:
Heat Island Effect: Non-Roof
*Specific colors may contribute toward LEED credits.

Limitations: ColorPave HD 500 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

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

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
- ASTM 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

PERFORMANCE 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

ColorPave® HD 500 Neutral Base

any time within a 24 hour period after application.

4. 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).

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

5. INSTALLATION

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

Methods: ColorPave HD 500 shall be applied by spray, brush, or roller.

Mixing Procedures:

5-Gallon Pails: Add one pint of ColorPave HD Tint 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.

6. AVAILABILITY & COST

Availability: ColorPave HD 500 is supported by a nationwide network of SealMaster manufacturing facilities along with a national network of qualified applicators.

Cost: Cost information can be obtained from a local ColorPave HD 500 applicator. Contact SealMaster for the ColorPave HD 500 representative in your area.

7. WARRANTY

SealMaster warrants that ColorPave HD 500 meets the chemical composition and performance requirements set forth in section 4. Liability to the buyer or user of this product is limited to the replacement value of the product only.

8. MAINTENANCE

Periodic pavement sweeping will ensure optimum product service life.

9. TECHNICAL SERVICES

Manufacturer: Complete product specifications, material safety data sheets, and technical assistance is available from SealMaster.

Professional Applicator: Your local ColorPave HD 500 applicator is available to provide on-site inspections and recommendations to meet your specific needs.

10. FILING SYSTEMS

- SealMaster Online Specification at www.sealmaster.net
- Complete SealMaster Product and Equipment Catalog Available

The statements made on this specification 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. Warranty is void on multi-coat applications if material made by other manufacturers is used with this product.

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