



Asphalt Sealer Color Mix

Technical Data Sheet

Description

Asphalt Sealer Color Mix is an innovative easy to use liquid coloring system designed to be mixed with most standard asphalt emulsion seal coats. Asphalt Sealer Color Mix quickly and easily changes most black asphalt emulsions sealers to harmonious earth-tone colors. It also provides additional resistance against the harmful effects of sunlight and oxidation. Asphalt Sealer Color Mix is water-based, and contains no toxic or carcinogenic agents, organic solvents or VOC's.

NOTE: Asphalt Sealer Color Mix is not recommended for use in some coal tar sealers and is not recommended for use in any solvent or oil based asphalt sealers. Always perform a test to assure proper performance and color prior to project application.

Product Benefits

- Mixes easily and quickly into any residential or commercial grade asphalt emulsion sealer.
- Asphalt Sealer Color Mix beautifies the pavement to harmonious earth tone colors.
- Asphalt Sealer Color Mix is contains no toxic, organic solvents or carcinogenic agents.
- Asphalt Sealer Color Mix is environmentally friendly in that it does not produce hazardous gases or fumes as the final product cures.
- Prevents damage to asphalt against the harmful effects of sunlight and oxidation.

Pre-Application

- Prior to application, CSI highly recommends samples and or mock up areas be prepared to assure product compatibility and final color. The samples and or mock ups should represent the actual project conditions as best as possible.
- For old asphalt pavement, repair and patch all major pavement defects. All cracks, other than hairline cracks (larger than 1/8 of an inch wide) should be filled with a suitable hot pour crack filler. Scrape all oil spots to remove excess oil and dirt. Just before applying the mixed product, clean the asphalt pavement surface of all loose dust, dirt, leaves and debris.
- Asphalt Sealer Color Mix is supplied in a liquid concentrate form. The amount of Asphalt Sealer Color Mix to be mixed is dependent upon the particular asphalt emulsion seal coat being used and the final color hue desired. Mix Asphalt Sealer Color Mix well before use as the product may separate over time. Assure that there is no settling or solid material before use.

Mixing

1. Color dosages may vary due to differences in solids and base color of asphalt emulsion sealers. Always perform a test to assure proper performance and color prior to project application.
2. Apply the colored asphalt sealer per the sealer manufacturer's recommendations.
3. Mix 1/2 lb. to 2 lbs. of Asphalt Sealer Color Mix per gallon of asphalt emulsion seal coating. Small residential projects can utilize 5 gallon plastic pails; larger projects may require 10 - 20 gallon pails or larger mixing tanks.

4. Using a mechanical mixer (mixing blade on a drill or similar) mix for 3 to 5 minutes or until the color is uniform and the Asphalt Sealer Color Mix is fully dispersed.

5. You may need to add an additional amount of water necessary to achieve the viscosity required for application. This can be up to another 10 ounces per gallon of original seal coat. Do not overwater, as this can reduce the durability of the seal coat.

6. If desired, add additional 90 mesh silica sand as needed to achieve an appropriate mix for the surface to be sealed. Total sand added should not exceed 10% of raw seal coat weight or approximately 1 lb. of sand for every gallon of seal coat. For a coarser skid resistant surface 30 mesh silica is recommended.

Application

1. The final mixed product should not be applied to wet or damp pavement surfaces. Do not apply during rainy or damp weather, or when rain is anticipated within eight hours after application is completed. Pavement surface temperatures should be 50 °F (10 °C) and rising before application of the final mixed product is initiated. Surface temperatures exceeding 90 °F (32.2 °C) will create product streaking. At least three hours of daylight should remain after completing the application and the evening temperature should not go below 40 °F (4.4 °C).

2. The Asphalt Sealer Color Mix should be applied in the same manner as conventional asphalt emulsion seal coatings with a spray, broom, squeegee, or seal coating machine.

Limitations

- Because of the variety of asphalt emulsion seal coating products presently available, it is not possible to specify an exact mixing formula for optimum use of Asphalt Sealer Color Mix with all seal coating products. CSI highly recommends samples and or mock up areas be prepared to assure product compatibility and final color. The samples and or mock ups should represent the actual project conditions as best as possible.

Surface Protection and Maintenance

- Maintenance will vary depending on a number of factors, including volume and intensity of traffic, geographic location, ultraviolet light exposure and weather conditions.
- It is strongly recommended that a routine maintenance schedule for all colored sealed asphalt be followed so that surfaces maintain a high quality appearance. Every 18-36 months, or as required by volume and intensity of traffic, colored asphalt installations should be inspected, cleaned and resealed. Under normal wear and tear, proper application of the final product should not require resealing for up to five years. Reapplication should be at the recommended rates. Regular preventive maintenance can extend the life of asphalt pavement indefinitely.
- The final mixed product that has not dried may be removed by rinsing tools, equipment, and skin with water. Dried product may be cleaned from tools and equipment by soaking or washing with odorless petroleum naphtha spirits, kerosene, or diesel oils. Steam cleaning equipment for spray bars and seal coat distributors employing degreasing chemicals may also be used. Remove product from skin with industrial hand cleaners, or skin creams. Follow clean up procedures provided by the asphalt emulsion seal coat manufacturer.

Coverage Rate and Drying Times

- Consult the asphalt emulsion sealer technical data sheet for coverage rate. The coverage rate of the asphalt emulsion sealer will not change with the addition of Asphalt Sealer Color Mix.
- Consult the asphalt emulsion sealer technical data sheet for cure time. The cure rate of the asphalt emulsion sealer will not change with the addition of Asphalt Sealer Color Mix.

Shelf Life and Storage

Asphalt Sealer Color Mix should be stored in a dry place and not allowed to freeze. When Asphalt Sealer Color Mix is mixed with asphalt emulsion seal coat it should be stored and handled like any standard asphalt seal coat product. Over time the color may settle and separate from the asphalt emulsion sealer. If stored in horizontal storage tanks, centrally suspended horizontal agitators should be used. Positive displacement gear pumps capable of handling abrasive materials are recommended. Progressive cavity, diaphragm, and piston pumps may also be used. Since any asphalt emulsion may be damaged by freezing, it should be protected at all times when the temperature drops below 40 °F (4.4 °C). If it does freeze, the product is no longer viable.

Package Sizes

Asphalt Sealer Color Mix is available in 1 gallon, 5 gallon and 55 gallon containers.

Technical Data

Please refer to the corresponding MSDS for hazard-related information.

Product Handling

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using product.

Warranty

Asphalt Sealer Color Mix, a proprietary product, is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact ChemSystems, Inc.



*For complete information on all CSI products—including product information catalogs, product brochures, color charts, technical specifications, sales aids and more—contact ChemSystems, Inc.

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