



CSI Asphalt Color Integral Mix

Technical Data Sheet

Description

CSI Asphalt Color Integral Mix is a cost effective powder colored additive for conventional hot mix asphalt. The CSI Asphalt Color Integral Mix is added to the hot asphalt at the asphalt batch plant and delivered to the project site fully colored. Conventional asphalt paving procedures are utilized in laying the integrally colored asphalt.

Product Benefits

- CSI Asphalt Color Integral Mix is available in a variety of standard colors.
- CSI Asphalt Color Integral Mix beautifies the pavement to harmonious earthtone colors.
- CSI Asphalt Color Integral Mix is free of toxic, organic solvents and carcinogenic agents.
- There are no hazardous gases or fumes given off as the final product cures

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. Colors may vary depending on the types of asphalt used.
- CSI Asphalt Color Integral Mix should be mixed at the asphalt plant and should be added to the hot mix during the mixing process at the batch mixer. CSI Asphalt Color Integral Mix should be added after the heated aggregate (must meet cleanliness and or sand equivalency numbers) is already in the batch mixer, but prior to the addition of oil. The mixing time recommended should be 60 seconds or at least twice the time of the plant's standard hot mix. These formulations change with specific hot mix designs. **Note:** Due to the variety of asphalt mix designs in different areas of the country it is not possible to specify an exact mixing formula for optimum use of CSI Asphalt Color Integral Mix.
- The CSI Asphalt Color Integral Mix should be applied to standard installation practices. The final mixed product should be installed over an existing base. It is recommended that a tack coat be applied over older asphalt prior to installation to encourage greater bonding. Pavement surface temperatures should be 50 °F (10 °C) and rising before application of the final mixed product is initiated.

Application

1. Existing asphalt should be prepared in a matter consistent with preparing of asphalt for an overlay. Old asphalt should be cleaned and a tack coat should be applied prior to installation.
2. 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 (34 °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 (5 °C).

3. The CSI Asphalt Color Integral Mix should be applied to standard installation practices. For technical assistance, contact ChemSystems, Inc.

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 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.

Coverage Rate and Drying Times

- It is recommended that CSI Asphalt Color Integral Mix, when mixed with hot asphalt, be installed at a minimum of one inch layers. One ton of mixed product based on (1/2 max. med. mix or 12.5 mm) should yield approximately 160 square feet of one inch thickness.
- Cure time is a factor of traffic and current weather conditions. The same procedures that are used for standard hot mix overlays should be observed. As with standard asphalt hot mix applications the pavement will fade from a shiny dark surface to a lighter duller surface. The original color hue will be dark and shiny and will fade into an earthtone surface within a one month time period.

Shelf Life and Storage

CSI Asphalt Color Integral Mix in dry form should be stored in a dry place where liquids are not able to penetrate the product.

Package Sizes

CSI Asphalt Color Integral Mix is available in 40- and 50-pound bags, depending on color.

- Sandstone, Autumn and Adobe colors are available in 40-lb. bags.
- Sequoia Brown and Brick Red are available in 50-lb. bags.

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

CSI Asphalt Color Integral 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



*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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