

# HMA Integral Color Mix

## Technical Data Sheet

### Description

Integral Color Mix is a powder pigment additive used to color conventional hot mix asphalt (HMA), warm mix asphalt or slurry coats. The Integral Color Mix is added to the 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

- Integral Color Mix can be used in traditional hot mix asphalt, warm asphalt or slurry mixes.
- Integral Color Mix is available in a variety of standard colors.
- Integral Color Mix beautifies the pavement to harmonious earthtone colors.
- Integral Color Mix is free of toxic, organic solvents and carcinogenic agents.
- There are no hazardous gases or fumes given off as the final product cures.

### Mixing Instructions

- Integral Color Mix has the following dosage rates per ton of hot mix asphalt:

Eco Red	50 lb	Clay	80 lb
Rust Red	50 lb	Bronze	80 lb
Sienna	50 lb	Basalt	80 lb

- Integral Color mix is added to the asphalt at the batch plant during the mixing process. Integral Color Mix produces best results when used in a pug mill or batch plant. Integral Color 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 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 Integral Color Mix.

- We recommend a minimum 1 ton test batch to assure proper mixing and color consistency prior to beginning the project.
- Integral Color Mix is compatible with most standard hot mix asphalt mix designs. Colored hot mix asphalt can and should be handled and installed per standard industry practices

### Application

1. Existing asphalt should be prepared in a manner 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 Integral Color Mix should be applied to standard installation practices. For technical assistance, contact ChemSystems, Inc.

4. It is only necessary to color the top 1 to 1.5 inches, or the top lift, of the asphalt installation.

### 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 using Asphalt Color Sealer Color Mix.

### Coverage Rate and Drying Times

- It is recommended that Integral Color Mix, when mixed with hot asphalt, be installed at a minimum of one inch layers.
- Consult with the asphalt installer or manufacturing plant for coverage rates per ton of hot mix asphalt.
- Cure time is a factor of traffic and current weather conditions. The same procedures that are used for standard hot mix asphalt 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 earth tone surface within a one month time period.

### Shelf Life and Storage

Integral Color Mix should be stored in a dry place.

### Package Sizes

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

- Clay, Basalt, Bronze colors are available in 40-lb. bags.
- Eco Red, Rust Red, Sienna 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

Integral 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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