

# inPHusion CM

## Colored Cold Mix Asphalt

### Technical Data Sheet



#### Description

inPHusion CM is an innovative and durable ready-to-use colored cold mix asphalt that produces a vibrant open-graded ultra-thin friction course (OGFC) providing excellent permeability and drainage. It is an excellent choice for use on highway shoulders and medians, light traffic roadways, driveways, bike and foot paths. For high traffic roadways and parking lots inPHusion HX is the recommended product. The product is applied directly over existing prepared asphalt road surfaces at a thickness of ½ inch (1.3 cm) using standard asphalt placing equipment and methods. InPHusion CM is considered a low VOC product, and is an environmentally friendly colored paving alternative to traditional colored hot mix asphalt. Available in standard colors with select custom color options. Packaged in 44 lb. foil bags and 2000 lb. bulk bags.

#### Product Benefits

- Vibrant and durable colored asphalt pavement
- Environmentally friendly cold mix process – no heating required
- Significant reduction in road noise with increased skid resistance
- Fast track installation with reduced long term maintenance
- Colors are UV stable and water-resistant
- Produces a permeable surface that allows for drainage and run-off
- Wide assortment of colors with colored aggregate option
- Cold mix allows for easy and seamless repairs at any time in its life cycle

#### Pre-Application

- It is recommended to produce a representative job site mock-up or sample to assure color and finish prior to beginning any project.
- Assure all transportation equipment, handling equipment, and tools are clean and free of prior asphalt that could potentially contaminate the colored cold mix. This is especially important when working with light colors. Solvents may be needed to clean the paver, paying close attention to the stretching screed.
- To assure the best color consistency plan starting and stopping points in advance, and have the proper amount of material and equipment on site to allow for continuous paving operation.

#### Application

1. The application process for inPHusion CM is almost identical to conventional colored hot mix asphalt.
2. Recommended application thickness is 3/8 to ½ inch (1 to 1.5 cm).
3. Surface and air temperatures need to be above 40 F (5 C).
4. The base surface needs to be free of standing water, loose material, ice and snow and able to handle the weight of the top paving course.

5. inPHusion CM can be placed using conventional asphalt paving equipment and compacted using thin layer asphalt compaction equipment and processes.

6. For small projects, hand raking or screed is acceptable. Assure material is placed with a uniform thickness.

7. For best results, place and compact evenly avoiding cold joints.

#### 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. In general inPHusion CM will retain its color for the life of the asphalt.
- Over time and with traffic the surface of the colored asphalt may wear and expose aggregate. The color of the exposed aggregate may impact the overall color of the asphalt. In high traffic areas, or where significant wear may take place, it is recommended to consider specifying an aggregate that is similar in color to the colored asphalt. Contact Asphalt Color for options.

#### Coverage Rate and Drying Times

- inPHusion CM has density of 14.7 cubic feet per ton (0.4 cubic meter per ton)
- Coverage rates may vary based on environmental conditions and surface preparation.

Estimated Coverage per ton (2000 lb.) of inPHusion CM. (907 kg)

@ 3/8 inch = 405 square feet (1.0 cm = 37 square meter)

@ ½ inch = 335 square feet (1.2 cm = 31 square meter)

@ 5/8 inch = 270 square feet (1.5 cm = 25 square meter)

- Drying times will vary based on temperature.
- Standard drying time for inPHusion CM is 5 to 7 days. In hot conditions, dry times may be shorter.

#### Shelf Life and Storage

InPHusion CM has a shelf life of 6 months. It should be stored in a dry location. Do not allow the product to freeze.

#### Package Sizes

44 lb. (20 kg) foil bags. (50 bags per pallet / 1000 bags per 20' container)

2000 lb. (907 kg) synthetic bulk bags. (1 bag per pallet / 20 bags per 20' container)

#### Technical Data

Viscosity (25C, 60 rpm)	T 0623	5250 cp
Storage Stability (24 hr)	T 0656	1.3 %
Solids Content	T 0651	53 %
Penetration (25C, 100g, 5s)	T 0604	63 mm
Softening Point (ring and ball)	T 0606	56 C
Tire Road Noise	96.5 dB	

- Approximately a 70% decrease in fossil fuel consumption due to lower manufacturing temperatures
- Contains NO Petroleum Derivative Cutbacks
- Contains only Biodegradable Solvents
- inPHusion CM colored asphalt can be easily recycled.

### **Product Handling**

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

### **Warranty**

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inPHusion CM, 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.



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