



# COLORLESS ASPHALT BINDER

Go Green Industrial (Shanghai) Co.,Ltd

## ■ Product Overview

Go Green Hot Mix Colored Asphalt is an ideal product for road color paving, it can be applied on asphalt or concrete road surface, the paving thickness is 3~4cm. Hot mix color asphalt has a wide application range, which including landscape, public parks, garden, bus lane, bicycle path, footpath, sports track, as well as heavy traffic road.



Go Green Colorless Asphalt Binder (Hot Mix Colored Asphalt Emulsion) including high performance asphalt modifier, high viscosity asphalt stabilizing agent, high molecular polymer, antiaging agent etc, which make the product has economic, eco-friendly, good high temperature stabilization, good performance for water resistance, easy to construction etc features.

We can provide the hot mix color asphalt emulsion & pigment for clients own production.



## ■ Main Features



### 1. Reducing Project Cost

Hot mix color asphalt is very suitable for large area project, we can provide the emulsion for locally production. One ton hot mix color asphalt emulsion can produce out to 16.7 tons finished product, the paving thickness is 3-4cm, which greatly reduce the project cost.



### 2. Hot Mix Technology to Extend the Construction Season

Go Green hot mix color asphalt is hot mix processing, the product will be constructed all the year around, the lowest construction temperature will be 5 degree, making sure the material will be in good condition and easier to work in winter season.



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## ■ Color Options

Standard Color: Red, Green, Blue, Yellow, Brown, Orange.



Red



Green



Blue



Beige



Yellow



Orange



Brown



Grey

If you have other special color requirement, feel free to contact with us

## ■ Aggregate

Hot mix color asphalt production don't have any requirement for the aggregate, the common limestone would be enough for production. The color will be lasting 3~5 years, which depend on the traffic volume, environment factors.

If you can get the natural color aggregate, ensure they are solid and good rigidity, it can be used for hot mix color asphalt production, the color would be very long lasting and permanent.



## ■ Product Package



### 1) Colorless Asphalt Binder Package

200kg steel drum ( 190kg emulsion + 10kg drum weight)  
4 drums in a pallet, 80 drums in a 20'FCL

### 2) Color Asphalt Pigment Package

25kg bag, 40 bags in a pallet,  
800 bags in a 20' FCL



## ■ Technical Performance

### Mixing Ratio

6% emulsion, 3% pigment and 91% aggregate

For example, to produce one ton finished hot mix color asphalt material, only need 60kg emulsion and 30kg pigment.

### Storage Time

Hot Mix Color Asphalt Emulsion shelf life unopen: 2 years, reseal container when not in use, avoid storage in high temperature condition.

### Usage Amount

Go Green hot mix color asphalt finished product has a density of 2.4 tons per cubic meter.

## ■ Application Area

### Highways and Heavy Traffic Roads

With its combination of colors and surface textures, Go Green hot mix color asphalt can be used to effectively delineate high profile locations such as bus lanes, cycles and heavy traffic roads.



### Public Parks and Gardens

For rural or environmentally sensitive off-highway schemes, Go Green's color and smoothness is the natural choice for architects and planners alike.



### Sports and Leisure

For sports stadiums, football pitches, golf courses, leisure centers, playgrounds and other sports surfaces.



### Residential

Suitable for colored driveways, colored roads, colored footpaths and colored car parking areas. Go Green is a durable colored alternative to traditional asphalt. It is a direct alternative for block paving systems.



### Bus Lane

For bus lane, BRT road etc heavy traffic road, hot mix color asphalt is the first choice by construction companies, not only to distinguish the color area easily, but also increase the city beauty.

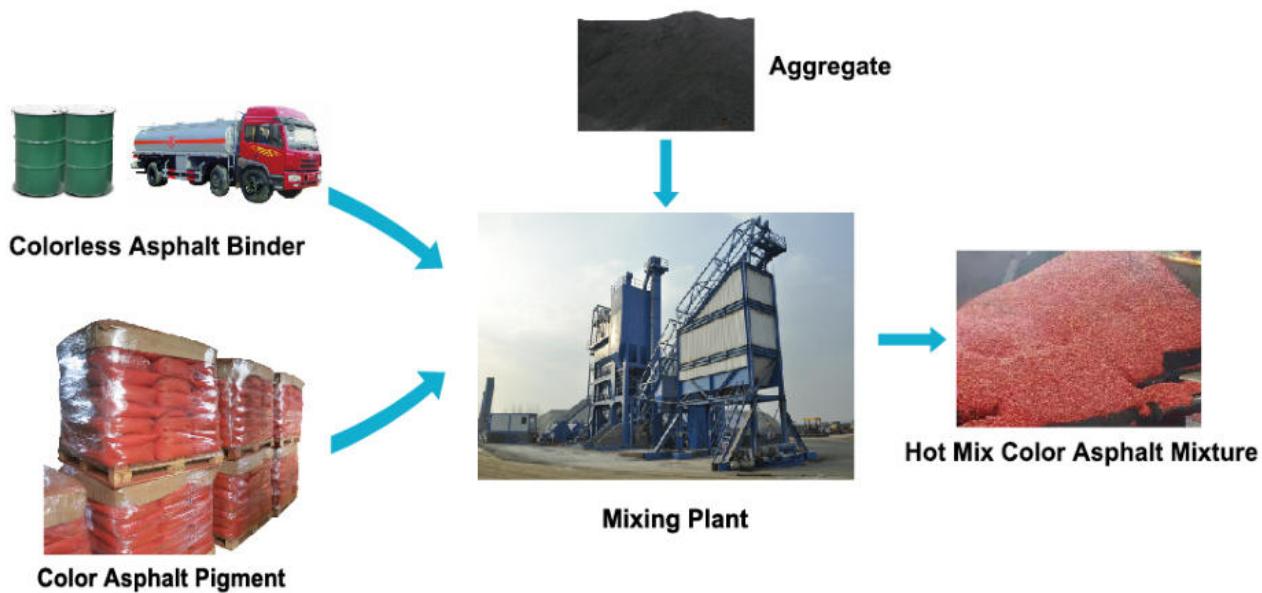


### Footpath / Bicycle Path

Hot mix color asphalt is also suitable for light traffic road such as footpath, bicycle path etc.



## ■ Production Process



## ■ Production Process

1. Cleaning the feeding pipe of black asphalt, then the mixing plant will be connected to color asphalt tank.
2. As in normal temperature, the hot mix color asphalt emulsion is in solid status, so heat it to 120~130°C until its liquid before production.
3. During production, the emulsion should be heated to around 140~150°C.
4. Adding the aggregate, all aggregate should be clean and dry, with a maximum moisture content of 2% by weight, heating the aggregate to around 160~170°C, but pls note that aggregate temperature should be strictly control at 170°C, because too much higher aggregate temperature would destroy pigment color.
5. Adding Go Green color asphalt pigment. The color pigment ratio is 2.5-3%.
6. Mixing the product, recommend to mix 60 seconds after adding the color pigment, the color asphalt mixture should be covered fully with consistent color, without the block.
7. Mixed finished, color asphalt feed-out from the mixing plant, the color asphalt mixture discharge temperature should be 155-165°C. When the mixing is finished, ready to use is required.



## ■ Construction Process



Feeding Materials



Paving



Compaction



Accept Traffic

1. Road surface and paving machine should be clean, the paving temperature should be controlled at 150~160°C, paving thickness is about 3cm.

**Kindly Notice:** If paving the hot mix color asphalt material on concrete road surface, it would need to spray tack coat firstly, dosage is only 0.2-0.3kg/m<sup>2</sup>. But asphalt surface don't need to spray tack coat.

2. Compact it, the roller should be clean, compact it 2~3 times, the initial compaction temperature is >140°C, the final compaction temperature is >100°C.

3. After the pavement surface temperature cooling to normal temperature, then it can be open to traffic.

## ■ Project Cases



Footpath



Vehicle Road



Bicycle Lane



Park



Sport Running Track



Bus Lane



## Go Green Global

*Welcome to join Go Green team*

Go Green has continued to progress against our sustainability targets, with new approaches to energy efficiency and carbon reduction. Our eco-friendly paving materials are supplied to all over the world.



Scan our QR and follow us on WeChat!



**Go Green**  
– Road Experts –

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