

STP Coloured Asphalt

Coloured Asphalt For Aesthetic And Special Applications



STP Limited

Description

STP Coloured Asphalt is a synthetic binder developed for use in the production of Coloured Asphalt by hot mix process. The binder is polymer modified making it an ideally strong and flexible binder for high performance asphalt. **STP Coloured Asphalt** can be designed to meet specific purpose and to provide a strong and durable coloured pavement solution.

STP Coloured Asphalt is available in Yellow, Red & Green colours. Other colours may be produced depending on quantum.

Characteristics

Appearance	Given above	Penetration (25 °C, 100g, 5 sec), d-mm	25 - 40
Specific Gravity at 27 °C	1.30 – 1.40	Theoretical coverage, kg / m ² , 25 mm thickness *	7 - 8
Softening Point, °C	> 70		
Ductility at 27 °C, cm	> 50	Flash Point (COC), °C	> 200

* Depending upon surface condition.

Application

- Tunnels.
- Boardwalks and Promenades.
- Architectural applications.
- Office buildings, Car parks.
- Sports venues and stadiums tracks.
- Parks and Squares.
- Toll plaza / Roundabouts.

Advantages

- Wide range of long-lasting colour option.
- Greater creativity for landscape and architectural applications.
- Increased safety, guiding of traffic due to higher contrast, e.g. cycle tracks, colored bus lanes, pedestrian lanes, speed limit lanes, etc.
- Increased ride comfort and reduced noise.
- Mechanical resistance equal to that of a conventional asphalt mixture.
- Enhanced safety and traffic discipline.
- Cost effective, durable and easy to maintain.
- Easy application using conventional equipments

Composition

	% by weight
Coarse Aggregate (6 mm down)	45
Coarse Aggregate (4 mm down)	20
Sand (2.36 mm down)	15
Sand (0.6 mm down)	20
Gross Total	100
STP Coloured Asphalt	10
Net Total	110

Application Methodology

- Heat aggregates in the ratio given above up to 140 °C.

- Add **STP Coloured Asphalt** in the heated aggregates and mix well by heating in the hot mix plant to above 150 °C.
- Apply ShaliPrime SM over old bituminous or concrete pavement. For new bituminous pavement, ShaliPrime SM need not be applied.
- Spread the hot mix at 140 – 150 °C to ensure 25 mm finished compacted surface on the new bituminous pavement or primed old bituminous / concrete pavement where ShaliPrime SM is tacky.
- Compact until all roller marks have been removed from finished surface (Moist roller wheels with water during compaction. Water may be sprayed on surface to pavement hot mixture adhering to wheels.
- A smooth top layer could be achieved by surface finishing with **STP Coloured Asphalt** and sand only.
- Clean all mixing, spreading and compacting equipment to ensure they are free from black bituminous contaminants, if any.
- Ensure aggregates to be used are of light colour.

Health & Safety

- Do not allow the product to come in contact with the skin and eyes, or be swallowed.
- Wear suitable protective clothing, gloves and eye protection.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, rinse with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting. In case of fire use dry chemical or carbon dioxide extinguishers.

Packings

Available in 200 Kg drums.

Storage

Keep in cool and dry place, in air tight containers, under shed, away from heat.

Shelf Life

12 months in original unopened sealed conditions.



STP's Businesses
 Waterproofing & Insulation
 Road Surfacing
 Pipeline Coating
 Protective / Anti-Corrosive Coating
 GARA (Grouts & Admixtures)
 Sealant & Adhesives
 Repairs & Rehabilitation
 Epoxy Flooring

