

TDS – Transparent Bitumen / Clear Bitumen

Technical Data Sheet

Product Description

Transparent bitumen is a **clear asphalt binder** designed for decorative and light-colored pavement applications. It offers excellent adhesion, durability, and flexibility while maintaining a non-black appearance.

Typical Technical Properties

Property	Test Method	Typical Value
Appearance	Visual	Clear / light amber
Penetration @25°C	ASTM D5	40 – 70 dmm
Softening Point	ASTM D36	60 – 80 °C
Ductility @25°C	ASTM D113	>50 cm
Flash Point	ASTM D92	>230 °C
Solubility	ASTM D2042	>99%
Density @25°C	ASTM D70	0.95 – 1.05 g/cm ³

Performance Characteristics

- Strong aggregate adhesion
- High flexibility
- Good resistance to aging
- Stable color retention
- Excellent workability



Application Guidelines

- Recommended mixing temperature: **150 – 180°C**
- Suitable for standard asphalt mixing plants
- Use clean, dry aggregates for best visual result

Advantages

- Maintains natural aggregate color
- Reduces surface heat absorption
- Improves visibility and safety
- Supports decorative and urban design projects

Packaging

- Steel drums
- Jumbo bags
- Bulk supply

Storage and Shelf Life

- Store in sealed containers
- Shelf life: **12 months** under proper storage conditions

Compliance

- Suitable for decorative asphalt and light-colored pavement systems
- Manufactured under strict quality control