



BLOC-SF25



QMS Certified Firm

Polymer Modified Bitumen for Heavy Duty pavements

Introduction:

Thermo Plastic Elastomer (TPE) is a type of rubber which has the combined characteristics of elasticity when cold and plasticity when heated. Therefore, when mixed with bitumen, it can give the mix these desired characteristics. BLOC-SF25 is TPE modified bitumen that can ease the mixing of this rubber with the bitumen to achieve improved properties for pavements.

Properties:

Asphalt mixes that have been improved by BLOC-SF25 exhibit the following properties:

- High flexibility.
- Low temperature pliability.
- High stability.
- High elastic recovery.
- High resistance to fatigue.

As the asphalt in pavement is frequently exposed to tension and pressure due to continuous stress of tires and the daily changes of the temperature, hence the high resistance to fatigue is needed and is provided by the use of BLOC-SF25.

Storage:

- Pallets must be stored at single height only, and not stacked.
- Individual blocks must not be stacked more than 5 high, and less in hot weather to avoid deformation.
- Blocks should be stored in covered dry place, and direct sun heat should be avoided. The block wrapper melts into the bitumen, so there is no need to remove it.

Technical Specifications

Property	Result	Test Method
Butadiene-Styrene Ratio	70/30	
Approx. Flash Point, °C	210	
Approx. specific gravity	0.95	
When mixed with 8 parts to 92 parts of 60/70 bitumen the mix will show the following properties:		
Softening point, °C	60 min.	ASTM D-36
Penetration, 25°C, 100g, 5 sec	Depend on Asphalt used	ASTM D-5
Flash point temp, min. °C	230	AASHTO TP5 ASTM D-5976
Elastic Recovery, 25°C, 10cm elongation, %	70	

Instructions for Use:

- BLOC-SF25 can be added to the asphalt 80/100 or 60/70 before the mix. Required dissolving temperature is 150 – 160 °C.
- The block can be cut into smaller pieces of 1kg each to facilitate dissolving.
- The improved asphalt can then be used in any required batch mix in usual asphalt mixers.
- BLOC-SF25 is most recommended for super pave pavements for the construction and maintenance of roads of high traffic or heavy loads.

Containers:

BLOC-SF25 can be supplied in 15 kg Block, wrapped in PE film. Also supplied in unit load of 1ton per pallet.



Health & Safety:

- ❑ Fire: BLOC-SF25 will burn and is flammable at very high temperatures. Do not heat to more than 210 °.
- ❑ Skin Contact: Always wear suitable protective clothing to prevent potential burns from molten materials.
- ❑ Eye Contact: Protect the eyes from splashes by wearing goggles. If splashed, irrigate with clean water for 15 minutes and seek medical attention.

- This Technical Data are the average results of tests, measurements and trials carried out by LAMA's own laboratory and RSS laboratories according to international standards such as ASTM, B.S and UEAtc.
- This product data sheet supersedes all previous data publications pertaining to this product.
- This data may be changed, improved or modified by LAMA, in accordance with the Client's requirements, availability of raw material, without advance notice.