



OXIDIZED ASPHALT



QMS Certified Firm

For Roofs

Description:

OXIDIZED ASPHALT is produced by air blowing of petroleum residues.

It is mixed in-place with other components like limestone aggregate, cement and hydrated lime to give a waterproofing material, solid or semi-solid under normal weather conditions. This waterproofing mix is called **MASTIC ASPHALT**.

It softens gradually when heated to 200°C, so it can be spread easily on the roofs.

Uses:

OXIDIZED ASPHALT with the other components are mixed in-place to give Mastic Asphalt used in the construction of built-up roofing as waterproofing and adhesive layer.

- ❑ Type I asphalt is used for the bottom layer.
- ❑ Type IV asphalt is used for the upper layer due to its higher softening point.

Mixing:

The materials are mixed in-place in these proportions

Material	Bottom layer	Upper layer
Asphalt, kg	152	140
Fine Aggr. (S.Sand), C.M.	14	36
Fine Aggr. (Cr.lime-stone), C.M.	36	14
Hydrated lime, C.M.	0.08	0.08
Cement,kg	50	50

Technical Specifications

Property	Type I		Type IV	
	Min	Max	Min	Max
Softening point, °C	57	66	99	107
Flash point, °C	225	-	225	-
Penetration at 25°C	18	60	12	25
Ductility at 25°C,mm	100	-	15	-
Solubility in tri-chloroethylene,%	99	-	99	-

Application:

- ❑ The asphalt blocks are broken into pieces of convenient-size and carefully remelted in a heating pot. The maximum temperature allowed varies between 250 - 270°C depending on type of asphalt. Caution to be taken not to keep the asphalt at this temperature for a long period of time (less than four hours).
- ❑ During melting, the aggregate, cement, and hydrated lime are fed in successive portions until the complete charge is thoroughly incorporated.
- ❑ The aggregate should be added in a dry state.
- ❑ Spread the molten mix for the bottom layer with not less than 7mm over lapping.
- ❑ The upper layer is spread at right angle to the bottom layer.
- ❑ It should be leveled and protected by LAMA COAT reflective coating.

Storage:

Store under cover.

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Standard:

- ❑ Type I and Type IV asphalts comply with ASTM D 312.
- ❑ Limestone aggregate with not less than 80% calcium carbonate complies with J.S 96/1982.
- ❑ Cement complies with J.S 30/1981 or J.S 219/1981.
- ❑ Hydrated lime complies with J.S 153/1982.

Containers:

OXIDIZED ASPHALT can be supplied in 180 kg steel drums.

Coverage:

- ❑ For calculation purposes, the mass of mastic asphalt is taken to be 2.4 kg/m² per mm of thickness.
- ❑ For total thickness of 20 mm, the mass per unit area is 48 kg/m².

- 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.