



**ATLASKOTE NO 806M-190
POLYMER MODIFIED
THERMOPLASTIC BITUMEN**

**PDS-HA-806M190
20200102
REV:002**

DESCRIPTION

A polymer-modified thermoplastic bitumen conforming to ASSHTO. Designation : M190 – 70(1974) used for coating of metal culverts. Good flexibility at low temperature, excellent impact strength, crack resistance, water resistance and excellent adhesion to any clean dry surface.

TECHNICAL DETAILS

Colour

Black.

Solid Content

100%.

Specific Gravity

0.99 ± 0.01

Disintegration Temperature, °C

230 and above.

ASSHTO M190 –70 (1974) BITUMINOUS MATERIAL TEST

Test	Result	Remarks
Solubility	More than 99%	Solubility in trichloroethylene
Loss on Heating	Less than 1%	163°C for 5 hours
Penetration	Less than 10% difference	Penetration of residue after heating compound with penetration of same sample before testing from loss or heating
Shock Test	Pass	-1 °C
Flow Test	Pass	70 °C ± 1 °C
Imperviousness	Pass	25% solution of H ₂ SO ₄ , NaOH
Test		NaCl saturated solution for 48 hours

ATLAS INDUSTRIES SDN. BERHAD (Company No: 7767-D)

P.O Box No. 7005, Lots 12 & 14, Jalan Dawai 16/2, Industrial Estate, 40700 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 603-55191137 Fax: 603-55105123 Email: info@atlaskote.com Website: www.atlaskote.com

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Needle Penetration (ASTM D5) @ 25 °C, dmm
>35

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Storage Life

24 months under good storage conditions and in undamaged container

SURFACE PREPARATION

APPLICATION

Atlaskote No. 806 – M190 bitumen shall be heated up gradually and avoid localised heating in excess of 230 °C for prolong period. The viscosity of the molten bitumen can be controlled by varying the bitumen temperature 150 °C to 180 °C.

Galvanized or bare metal surface to be coated shall be dry and free from oil and loose particles. The coating may be applied by moulding of molten bitumen onto the object or by dipping of the object into molten bitumen.

In dipping application, thickness of the coating can be controlled by varying the temperature of the molten bitumen within the recommended range. The temperature of the object and the duration of dipping in the molten bitumen bath can also affect the thickness of the coating.

Gentle agitation is recommended to prevent localised overheating and separation of polymer and bitumen.

CLEANING SOLVENT

Cooled and solidified material may be cleaned with diesel oil or kerosene.

PACKING

Approximately 180 kg in second-hand steel drum.

PRECAUTION

Avoid melting of content in metal container by localised heating at bottom of container. Pressure would build up at the bottom of the container and cause explosion.

Heating of metal container shall be either starting from the upper side or heating shall be equally applied to all sides of the container.

TECHNICAL SERVICE

Our Sales Department can assist you in the proper use of our products and you are free to consult them on any matter regarding our product.