



ATLASKOTE NO 506 STD UNDERBODY SEAL

PDS-US-506STD
20200102
REV:002

DESCRIPTION

Atlaskote No. 506 Underbody Seal is a solvent based bituminous compound of creamy consistency. It is manufactured from a selected grade of bitumen reinforced with special fillers. The dried coating provides an economical, effective and lasting protection of the metal underside of motor vehicles against rusting caused by water splashing, wear and tear resulting from abrasion from flying gravel and corrosion caused by severe atmospheric conditions.

USAGE

Atlaskote No. 506 STD Underbody Seal is used as an underbody protective coating for motor vehicles for wear resistant yet resilient, and also its coating provides excellent sound-deadening effect and gives a smoother and quieter motoring.

TECHNICAL DETAILS

Adhesion

It adheres firmly onto any clean dry metal surfaces.

Consistency

A creamy paste of brushing consistency.

Brookfield Viscosity, Spindle #6, rpm 10, at 25°C, 1 minute; centipoises(cps)
25,000 TO 35,000

Coverage

The recommended rate of application is 1.3 m²/lt

Fire Resistance

Wet: Flammable.

Dry: Will burn slowly.

Flashpoint

>45°C

Flexibility

The dried coating will not crack or peel under vibration or impact.

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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Nonvolatile Content, %weight, (ASTM D1644, Method B):
Minimum 70

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Density @ 25 °C, g/cc (Density cup 100 cc– ASTM D1475):
1.15 – 1.25

Salt Spray Resistance (ASTM B 117 – Standard Method of Salt Spray [Fog] Test)

Duration of exposure: 96 hours
Temperature of exposure zone: 35°C
Salt solution used: 5% of NaCl
Result: Grade 10 (Less than or equal to 0.01%)

Heat Flow Resistance

The dried coating will not flow or sag.

Sag test: 1. Plate coated with 1.5 mm – wet thickness at room temperature (24°C) angled at 45°.

Result: Excellent.

2. Place coated plate in oven at 80°C for one hour.

Result: Excellent.

Adhesion by cross cut (ASTM 3359 – Standard Test Methods for Measuring)

Spacing of the cuts: 2 mm

Number of cuts: 6

Result: Classification: 5B (The edges of the cuts are completely smooth; none of the lattice is detached)

Setting or Drying Time

Touch – dry in 3 hours at normal room temperature.

Hard – dry overnight.

Storage Life

Two years under good storage conditions and in undamaged containers. This material should be stored under cover and always kept away from naked flames.

PREPARATION OF SURFACES

All surfaces to be coated should be thoroughly cleaned using high pressure steam or a detergent spray if necessary) so as to be completely free from rust, scale, oil, grease, and mud. If solvent and detergents are used for cleaning, it is important to ensure that the surfaces are thoroughly dry before carrying out **Atlaskote No. 506 STD Underbody Seal** protective coating application.

APPLICATION

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The finished coating should have an orange peel texture averaging in thickness between 1.5 mm and 3 mm.

Should spray be suspended temporarily, the nozzle of spray gun should be cleared and then immersed in kerosene or solvent. When resuming spraying, the excess kerosene or solvent at the nozzle should be blown off by operating the jet of the spray gun.

HANDLING PRECAUTIONS

- * Whenever a drum or a tin is opened, either new or partly used, it is important to remove any hardened material from around the edges and from the lid - be careful not to allow it to fall back into the drum or tin as it may subsequently block the gun nozzle or material passage.
- * Always stir the material well before use until it is in a smooth uniform and creamy state.
- * Close the drum or tin tightly after use.
- * Clean hands or equipments with kerosene or solvent.

PACKING

Atlaskote No. 506 STD is available in 5 litre tin, 20 litre pail and 200-kg drum.