

## Technical Information Bitumen Based Undercoating



MoTip Underbody Protection (Bitumen) forms a delicate elastic, durable seal on the underside of machines, vehicles and wheel cases for all types of vehicles. It protects the undersides from the mechanical and chemical stress of stone chipping, grit, water, rust and the effects of weather.

Thixotropic properties mean the spray can be applied in thick layers without running.

### For use:

on bodywork, in workshops, bus construction, at home

Available in 500ml spray cans and also in 1 litre spray gun cans as well as in 1.3 kg and 2.5 kg paint cans.

## Quality and properties

- Good abrasion resistance
- Excellent corrosion protection
- Excellent adhesion to metal
- Sound absorption
- Long-lasting elasticity
- Waterproof
- No drips on vertical surfaces
- Resistant to weather conditions
- Resistant to weak acids and alkalines
- Cannot be painted over
- Cleaning: fresh material with solvent, dried – mechanically

## Physical and chemical data

### Spray can:

- **Basis of the binder:** bitumen, solvents and waxes
- **Colour:** black
- **Drying time (at 20°C, 65% relative air humidity):**  
Dust-dry: after approx. 60 minutes  
The drying time depends on surrounding temperature, air humidity and thickness of the applied coat.
- **Storage stability:**  
10 years if appropriate storage provided (=10°-25°C, relative air humidity of max. 60%)
- **Size:**  
aerosol can, maximum nominal volume 500 ml

### Spray gun can / paint can:

- **Basis of the binder:** bitumen, solvents and waxes
- **Colour:** black
- **Consistency:** liquid
- **Viscosity (20°C) after Brookfield:**  
1000ml: 100 - 200 Pas (Spindel 6 / V½)  
1.3 kg resp. 2.5 kg: 1040 - 2000 Pas (Spindel 7 / V½)
- **Specific density (20°C) (DIN 51757):**  
1000ml: 1.03 - 1.06 kg/ltr.  
1.3 kg resp. 2.5 kg: 1.26 - 1.30 kg/ltr.
- **Solid content (DIN 53216) (3 hours at 120°C):**  
1000ml: approx. 57 - 62 %  
1.3 kg bzw. 2.5 kg: approx. 75.6 - 77.6 %
- **Dry to touch (20°C, 65% RV):**  
1000ml: 120 - 180 minutes (±600µ)  
1.3 kg resp. 2.5 kg: 90 - 120 minutes (±500µ)
- **Completely dried (20°C, 65% RV):**  
1000ml: 4 - 6 hours (±600µ)  
1.3 kg resp. 2.5 kg: 10 - 12 hours (±500µ)  
The drying time depends on surrounding temperature, air humidity and thickness of the applied coat.
- **Chemical resistance against:** water, salt spray, oil, soft acids and bases
- **Temperature resistance (cured):** -25°C to +80°C
- **Usage with thickness of coat ±400µ:**  
1000ml (thickness of coat ±600µ): ±0,6 ltr/m²  
1.3 kg resp. 2.5 kg (thickness of coat ±500µ): ±0,5 ltr/m²
- **Salt spray test (DIN 50021):**  
1000ml: up to 1000 hours Ri 0 at 400µ dry layer  
1.3 kg resp. 2.5 kg: up to 480 hours Ri 0 at 375µ dry layer
- **Storage stability:**  
2 years if appropriate storage provided (=10°-25°C, relative air humidity of max. 60%)
- **Size:**  
spray gun can, maximum nominal volume 1000 ml  
paint can, maximum nominal volume 1.3 kg resp. 2.5 kg

## Environment and labelling

**Environmentally compatible:** European Aerosols is committed to apply formulations without restricted or critical ingredients and to achieve best possible performance. The caps and packagings are made of recyclable material.

**Disposal:** Please mind the residue inside the containers. Completely emptied containers can be used for recycling. If cans are not emptied, they should be disposed off as "special refuse".

*Only for DE: In order to ensure a high reuse and recycling rate, the legislator requires, in accordance with §15 - VerpackG, Paragraph 1, the return of transport, sales or outer packaging, alternatively, however, deviating agreements can also be made.*

**Labelling:** All products of European Aerosols comply with the current status of their labelling regulations. Classification and distinction takes place by the presently legal form of the **Globally Harmonized System of Classification and Labelling of Chemicals (GHS)** or rather by CLP 1272/2008/EG regulations. Our safety data sheets comply with the current form of REACH 1907/2006/EG, article 31 und appendix II,

**Before use, carefully read and observe the warning texts on the label!**

**The water-based underbody protection cannot be painted over. For visible bodywork, we recommend applying a topcoat of MoTip stone chipping protection.**

### **Application spray can:**

- Remove old paintwork and rust, then sand.
- Surface should be clean, dry and free of grease.
- Bring the can to room temperature.
- Processing temperature 15 to 25°C.
- Shake can before use and test spray.
- Apply several thin coats from a distance of ca. 25 to 30 cm.
- After use, turn can and spray empty to clean the valve.

### **Application spray gun can:**

- The surface should be clean, dry and free of grease.
- Shake before use.
- Screw 1000ml bottle in special compressed-air spray gun.
- Operational pressure 3 to 6 bars.
- Apply underside protection in the desired thickness.
- With thick layers, leave individual layers to dry.
- Sprays without forming mist, and does not leave dangling threads or drips..
- Thin with solvent according to use.
- Fresh dirt on equipment can be cleaned with solvents if necessary.

### **Application paint can:**

- The surface should be clean, dry and free of grease.
- MoTip underside (bitumen) can be applied in thick coats without dripping with a paintbrush or spatula.
- With thick layers, leave individual layers to dry.
- Thin with solvent according to use.

## **Tips for spray painting**

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Protect the object and the surrounding area from spray mist.  
Temperature should range between +10°C and +25°C, max. air humidity 60 %.

Store in a dry place. Protect from direct sunlight and other sources of heat. Use only during dry weather, in places protected from the wind, and in well-ventilated rooms. Follow the warning texts on the labels!

## **Disclaimer of liability**

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This application-technological information is given to the best of our knowledge. The notes mentioned herein are, however, non-binding and do not exempt you from own tests to see whether the products supplied by us are suitable for your special application. The use and processing is beyond our control and therefore exclusively in the responsibility of the user. European Aerosols is let off the liability, unless the liability-based incident is caused by a fault incurred to European Aerosols.

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