STAR 500 (Clear)

Water-based clear underbody anti-rust coating

Description

STAR 500 is a water-based modified polymer with additives for spraying a clear anti-rust coating on car underbodies. After spraying it forms a fast-drying, hard, clear film with excellent adhesion to metal, plastic and other materials.

Applications

- Apply over old or new paint to improve rust protection
- Metal, plastic and other surfaces
- Coat to protect against rust

Properties

- Permanently flexible, not brittle
- Fast drying
- Durable, tough and strong with excellent adhesion
- Water-based, single-pack, easy to use
- Excellent water and salt-water resistance
- Does not attack rubber or plastic, neutral pH
- Clear (milky white while spraying)

Technical data

Property	Standard	Test result
Appearance	–	Milky white liquid
Solids content	SS-133:1987	≥ 40%
Density	–	1.000–1.030 g/ml
Viscosity (Brookfield Viscometer)	–	3,000–5,000 cP
Water resistance, 24 h	SS-133:1987	No blistering, no peeling
Flexibility	–	Film does not crack
Drying time	–	30 min
Touch dry (hard film)	–	1–2 h
Heat resistance, 180 °C for 5 h	SS-133:1987	No blistering, no running
Adhesion to metal	ASTM D4541	≥ 1.0 N/mm²
Adhesion to plastic	ASTM D4541	≥ 1.0 N/mm²
10% salt-water immersion, 170 h	–	No blistering, no peeling
pH	–	Neutral
Effect on rubber and plastic	–	Does not attack

Packaging and application rate

Product	Pack size	Application rate
STAR 500 (Clear)	20 kg	1.2–1.5 kg per 4-wheel passenger car

Surface preparation

1. The surface must be sound, clean and dry, free of dirt, oil and grease.
2. Remove flaking or deteriorated paint. When coating over existing paint, clean with a high-pressure washer or grinder and let it dry before spraying.

Application

1. Stir STAR 500 until uniform before use.
2. Spray STAR 500 with an airless spray gun connected to an air compressor of at least 2 bar to coat the required surface.
3. For a second coat, wait about 1 hour for the first coat to dry.
4. Application rate: about 1.2–1.5 kg per 4-wheel passenger car.

Cleaning

1. Clean tools and equipment with water immediately. If the product has dried, remove it with kerosene.
2. If the product splashes onto any material, wipe it off immediately with a damp cloth.

Storage

- Shelf life 1 year in a tightly closed container.
- Store in a shaded, dry and cool place, out of direct sunlight.

Safety in use

- STAR 500 is water-based and non-flammable.
- Avoid contact with skin and eyes. If contact occurs, rinse with clean water.
- Wear a mask while working.
- Wear gloves and goggles while working.

Warnings and limitations

- Do not apply STAR 500 on surfaces that are not dry.
- Drying time may vary with temperature, humidity and wind.
- Under normal working conditions, do not dilute STAR 500.

Standards and warranty

Made under ISO 9001:2015 and ISO 14001; Green Industry award · 5-year product warranty (contact sales for warranty terms).

Disclaimer The information in this document is based on the manufacturer's tests. Actual results depend on surface condition, spraying technique and environment. The manufacturer reserves the right to update this information without notice. The Safety Data Sheet (SDS) is available from our sales team on request.

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