

ENDRUST® CHASSIS SHIELD

Professional Clear Rust & Corrosion Preventative

TECHNICAL DATA SHEET

TDS-CHCS

PRODUCT DESCRIPTION

ENDRUST® Chassis Shield is a professional-grade clear rust and corrosion preventative developed to protect exposed metal surfaces on vehicles, trailers, machinery, and industrial equipment operating in harsh Australian conditions. Formulated from a blend of petroleum distillates, linseed oil, xylene, and long-oil alkyd resin, it forms a durable protective barrier against moisture, road salts, and other corrosive contaminants while preserving the natural appearance of the treated surface.

Unlike traditional cavity waxes that remain soft and continue creeping into enclosed sections, Chassis Shield is specifically engineered for exposed external surfaces — chassis rails, cross members, suspension components, underbodies, and trailers — where a cleaner, more durable protective coating is required. It dries to a firm, low-tack, low-gloss finish that resists dirt build-up and provides long-lasting corrosion protection. Australian Made.

FEATURES & BENEFITS

- Professional-grade clear rust and corrosion protection for exposed external surfaces
- Dries to a durable, low-tack, low-gloss protective film — not a decorative finish
- Repels moisture, road salts, and environmental contaminants
- Resists dirt build-up and normal weather exposure
- Preserves the natural appearance of painted and bare metal surfaces
- Suitable for vehicles, trailers, machinery, and industrial equipment
- Easy to apply using conventional spray equipment
- Australian Made

APPLICATIONS / RECOMMENDED USES

- Vehicle chassis and underbodies — chassis rails, cross members, and floor pans
- Suspension components — control arms, steering gear, springs, and axles
- Truck and trailer chassis
- Agricultural equipment operating in wet, muddy, or coastal environments
- Mining and construction equipment
- Marine trailers and boat-launching equipment
- General industrial plant and equipment
- Temporary protection of fabricated steel during storage and transport

TECHNICAL SPECIFICATIONS

PROPERTY	VALUE	PROPERTY	VALUE
Colour	Amber-brown liquid; clear film when cured	Coverage	~25 m ² per litre on clean, prepared surfaces
Finish	Low-gloss, low-tack protective film	No. of Coats	1–2 coats (second coat after 4–6 hours recommended)
Density	0.805 – 0.825 g/ml @ 15°C	Touch Dry	6–12 hours (temperature and humidity dependent)
Product Code	CHCS	Hard Dry	24 hours @ 25°C
Packaging	1 litre, 20 litres	Thinning	Not recommended
Application	Brush, Roller, Trigger, Conventional or airless spray	Clean-up	Mineral Turps
Origin	Australian Made	Shelf Life	Contact Endrust for details

PERFORMANCE

PERFORMANCE PROPERTY	RATING / NOTES
Corrosion Resistance	Excellent — forms durable barrier against moisture, road salts and contaminants
Weatherability	Good — resists normal weather exposure and rain
Abrasion Resistance	Good
Chemical Resistance	Moderate — not resistant to strong acids, alkalis, or chlorinated solvents
Temperature Resistance	Combustible; flash point 115°C — keep away from ignition sources
Dirt Resistance	Good — low-tack finish resists dirt build-up

SURFACE PREPARATION

Ensure surfaces are clean, dry, and free from loose rust, mud, dirt, and grease. Remove heavy soiling with a detergent wash, fresh water rinse, and allow to dry completely. Mask sensors, wiring connectors, brakes, and painted panels to prevent overspray. For heavily rusted surfaces, pre-treat with ENDRUST® RCP150 Rust Converter Primer & Sealer before applying Chassis Shield.

APPLICATION

Shake or stir well before use. Apply an even coat across all target surfaces — maintain consistent coverage and avoid flooding any one area. A second coat after 4–6 hours is recommended for enhanced protection. Allow to cure fully before pressure washing or heavy use. Clean equipment and overspray immediately with Mineral Turps.

Spray Application Settings

METHOD	SETUP / NOTES	PRESSURE
Conventional Air Spray	Fluid nozzle 1.3 – 1.7 mm; suitable for pressure pot or conventional gun	300 – 400 kPa
Airless Spray	30:1 pump ratio; tip ~432 micron (0.017 inch)	14 MPa (2000 psi)
Trigger / Pressure Spray	Suitable for small areas and touch-up work	N/A

SAFETY & HANDLING

- COMBUSTIBLE — flash point 115°C. Keep away from heat, sparks, open flames, and ignition sources. No smoking in work area.
- GHS DANGER: H304 — May be fatal if swallowed and enters airways. Do NOT induce vomiting; call Poisons Information Centre 13 11 26 immediately.
- Use in a well-ventilated area. Avoid breathing vapours or spray mist — high concentrations may cause narcotic effects. Use respiratory protection when spraying.
- Wear solvent-resistant gloves (nitrile), safety goggles, and protective clothing. Wash thoroughly with soap and water after handling.
- Electrostatic charges may be generated during transfer — earth all equipment. Keep out of reach of children.
- Refer to the Safety Data Sheet (SDS) for full health, safety, and first aid information prior to use.

STORAGE & SHELF LIFE

Store upright in a well-ventilated area away from sunlight, heat, and ignition sources. Do not store near strong oxidants. Keep containers tightly sealed. Dispose of empties in accordance with local authority requirements.

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ENDRUST

The Name You Can Trust

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