

**RESTORE STONE CHIP LINING****1. DESCRIPTION**

A hard-wearing waterbased coating for vehicle underbodies and other equipment against corrosion, heat, salt water spray, petrol, oil and some solvents. It also provides excellent resistance to impact, is extremely hard wearing and easy to clean.

2. INTENDED USE

To protect the under body of vehicles from stone chips and to prevent damage to the paint on the working areas of utility vehicles

3. PRODUCT FEATURES

- Hard wearing and flexible.
- Very good resistance to abrasion, impact and stone chipping
- Resistant to diesel, oil and petrol and dilute hydrochloric and sulphuric acids.
- Excellent resistance to water and marine environments.
- Water-based, non flammable and environment friendly
- Easy to apply – no skilled labour required.
- Simple to clean.

4. LIMITATIONS

- **Avoid over-thinning since it may cause mud-cracking when the coating dries.**
- Highly humidity and low temperatures will retard drying

5. TECHNICAL DATA

Product Code	RES 1214
Colour	Black
Appearance	Low sheen
Packaging	1ℓ & 5ℓ
Flashpoint	Non Flammable
Solids	Approx. 63 % by mass; 50% by volume
S.G (Weight)	1.19 kg/l @23°C
Practical Spreading rate (depending on porosity) Recommended finishing coats.	The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used
Theoretical spreading rate	0,25ℓ/m ² DFT. This serves as a guide only

6. SURFACE PREPARATION

All surfaces must be clean, firm and dry before painting

Automotive paint must be in good or relatively good condition

Particular care must be taken in cleaning vehicle underbodies, recessed and rusted areas.

1. PREVIOUSLY PAINTED SURFACES:

Remove any loose and flaking paint by scraping, sanding etc. Degrease all surfaces with **RESTORE HEAVY DUTY DEGREASER** to remove all traces of grease, oil, tar, saline deposits and any other contaminants. Rinse thoroughly with clean water. Allow to dry.

Sand paint thoroughly with fine paper to create a key. Remove dust by vacuum cleaning or other suitable means before applying **RESTORE STONE CHIP LINING**

2. RUSTED AREAS:

Remove all rust back to bright metal by sanding or using **RESTORE FERRO RUST REMOVER**. Spot prime bare steel or galvanised steel with **IMPA ETCHING PRIMER**. Allow to dry for a minimum of 1 hour before overcoating with **RESTORE STONE CHIP LINING**.

If rust cannot be removed completely, remove all **loose rust** to a firm substrate. Remove rust and apply **RESTORE RUST CONVERTER & IMPA ZINC PHOSPHATE PRIMER** where firm rust remains. Allow to dry for a minimum of 4 hours before overcoating with **RESTORE STONE CHIP LINING**.



7. APPLICATION

Thin only as recommended

Apply several coats building up to a total thickness of 2-3mm, allowing at least 4 hours drying between coats.

Mixing

Stir thoroughly with a flat paddle until homogenous before use.

Restore Stone Chip Lining can either be Hnd brushed or sprayed. Spraying is the preferred method of application

- Spray – Coarse texture: Use a 4 mm bore gravity spray gun at between 3 to 4 bars. Hold the gun 500mm from the surface. Allow to dry (8hrs at 20°C). Apply a second coat if necessary .
- Spray – Smooth: Dilute with 15 to 20% water. Apply with 1,5 mm bore gravity spray gun at between 4 to 5 bars at a distance of 450-500 mm. Allow to dry (3 to 4 hrs at 20°C). Apply a second coat if necessary.
- Brush: Apply one coat by brush or roller to surface.

8. PRECAUTIONS

- If necessary use suitable respiratory safety equipment and protective clothing
- If splashed in the eyes or on skin, rinse off immediately with clean warm water.
- Application should be avoided in cold and moist weather conditions.
- **Do Not** apply the product at surface temperatures below 6°C (minimum of 2°C above dew point) and temperatures above 40°C
- **Do Not** apply if ambient temperature is less than 10°C or more than 40°C.
- **Do Not** apply if relative humidity temperature is less than 10°C or more than 85. °C

Environmental Health & Safety Information

WARNING! IRRITANT! HARMFUL IF SWALLOWED. CONTAINS: PROPYLENE ORETHYLENE GLYCOL. MAY CAUSE EYE, NOSE AND THROAT IRRITATION. AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING OF VAPORS AND SPRAY MIST. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING. USE ONLY WITH ADEQUATE VENTILATION. To avoid breathing vapours and spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air. If properly used, a respirator (NIOSH approved for organic vapor with P series particulate pre-filter) may offer additional protection; obtain professional advice before using. A dust mask does not provide protection against vapors. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. **FIRST AID:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

CAUTION: KEEP OUT OF REACH OF CHILDREN AND ANIMALS - DO NOT TAKE INTERNALLY.

Refer to Material Safety Data Sheet for additional health and safety information.

IN CASE OF FIRE: Use foam, CO₂, dry chemical, or water fog.

SPILL – Absorb with inert material and dispose of as specified under **Thinning/Clean-up**.

† **WARNING!** If you scrape, sand or remove old paint, you may release lead dust.

DISCLAIMER

The technical information contained in this document are given in good faith and are meant to be used as a guideline by the specifier or user. Whilst we are confident about the quality of our products, we cannot accept any liability for the incorrect use or application of our products. Surface preparation forms an integral part of the scope of works and it is expected that the highest standards are maintained during surface preparation and application, to ensure that our products perform as intended. Always ensure to use the same product batch numbers, refrain from doing spot touch-ups and paint surfaces from corner to corner to prevent colour and sheen variance.

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