

# Stone Chip 88

Optima Coatings 88 Stone Chip is a premium acrylic coating used to protect vehicles 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. Optima Coatings 88 Stone Chip can be used on primed metal, paint, duco and fibre-glass.

**Colours:** Black, Grey and White

## PRODUCT USES

Optima Coatings 88 Stone Chip can be used to:

- Provide stone blast, scratch and corrosion protection for the undersides of on- and off-road vehicles including air dams, rocker panels, sills, cowls and mudguards.
- Protect battery boxes against acid spill.
- Protect bus panels and bumpers.
- To protect against stone chips on bare metal, paint, duco and fibre-glass.

## ADVANTAGES

- Water-based, non-flammable and environment friendly.
- Easy to apply - no skilled labour required.
- Hard wearing and impact resistant.
- Extremely abrasion resistant.
- Resistant to heat, corrosion, salt water spray, petrol, oil and solvents.
- Resistant to most chemicals and acids.
- Simple to clean.

## COVERAGE

- 1 litre per 3.5 - 4m<sup>2</sup> per coat, applied in 2 coats.

## SURFACE PREPARATION

Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as oil, grease, tar spots and dust.

- Bare metal: Prime with NS5 Metcote Etch Primer as per instructions.
- Rusted surfaces: Rust must be removed by using a wire brush/sandblasting. Severe rust can be treated with NS1 Rust Buster as per instructions.
- Painted surfaces: To be abraded to a matt finish before applying Optima Coatings Stone Chip 88.

## APPLICATION

Optima Coatings 88 Stone Chip can either be hand brushed or sprayed. Spraying is the preferred method of application.

- Spray - Course texture: Use a 4mm 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.
- Overcoating:
  - Optima Coatings 88 Stone Chip can be overcoated with Polyurethanes (2k) or with a Duco. It is important that the Optima Coatings 88 Stone Chip is hard dry before overcoating with solvent base topcoats.

**CLEANING**

- All overspray should be cleaned with water before the product has dried.

**IMPORTANT**

- Areas where spraying takes place should be clean and well ventilated.

**SAFETY 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.

**TECHNICAL DATA**

Pack Size	1 litre
No. of components	1
Colours	Black, Grey, White
Touch drying time	Textured : 8 hours at 20°C Smooth : 3 to 4 hours at 20°C
Overcoating time	As above
Curing time	24 hours
Volume solids	40% to 42%
Weathering	Excellent
Flexibility	Good
U.V Resistance	Good
Abrasion Resistance	Excellent
Wet film thickness	150 microns per coat
Dry film thickness	Textured: 120 microns (2 coats) Smooth: 100 microns (2 coats)
Service temperature	-10°C to 80°C
Application temperature	5°C to 30°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Non Toxic when dry
Fire Hazard	No
Shelf life	12 months
Storage	Under cover in cool, dry conditions.

*Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.*

*Updated: August 2013 (this supercedes all previous publications)*