FREEWORLD
AUTOMOTIVE COATINGS

Data Sheet Number:
ABL-01-01
ASC 1

Water Based Stone Chip Protector

- A liner to protect the underbody of vehicles from stone chips and to prevent damage to the paint of the working areas of utility vehicles.
- Hard wearing and flexible.
- Very good resistance to abrasion, impact and stone chipping.
- Resistant to diesel, oil and petrol.
- Excellent resistance to water and marine environments.
- May be overcoated by itself or nitrocellulose, alkyd and polyurethane coatings.

Technical Description

- Semi-Matt
- Black, Grey, White
- Recommended DFT Min: 1 - 2 mm
- Max: 3 mm

Stonechip Protector

WORKING PROCESS:

Waterbased Acrylic Stone Chip

SUBSTRATE:

Should not be applied to bare metal, only on top of sound, well painted surfaces

- All surfaces must be clean, firm and dry before painting.
- Particular care must be taken in cleaning vehicle underbody, recessed and rusted areas.
- Remove any loose and flaking paint by scraping, sanding etc.
- Sand paint thoroughly with fine paper to create a key.

PRETREATMENT / CLEANING:

Ensure that all surfaces are clean, free from dust, oil, grease or other contaminants by using Acryline Pre-cleaner (ATH 310)

APPLICATION:

Use air fed respirator.
Refer to relevant Health and Safety Data sheets.

RFU - no thinning required.

Applied material should have a pleasant texture appearance.
1 Coat - Light Duty
2 Coats - Medium Duty
3 Coats - Heavy Duty

Caution: High humidity and low temperatures will retard drying.

Recoating:	1 hour @ 23°C
Dry to handle:	1 hour @ 23°C
Before use:	3 hours @ 23°C min. for underbodies
	24 hours @ 23°C min. for working areas

For a smooth finish ASC 1 should be thinned with water ± 15% and applied using a Gravity Feed gun with 1,8 mm nozzle + 2,0 mm

Small areas can also be applied by brush application of the unthinned product.

Special Notes:

- Rusted areas:
- Remove all rust back to bright metal by sanding, etc.
- Remove dust. Spot prime bare steel or galvanized steel with Plascon Acryline 1K Etch Primer (APU 107).
- Allow to dry for 15 min @ 23°C before overcoating with Stonechip Protector (ASC 1).
- If rust cannot be removed completely, remove all loose rust to a firm substrate. Remove dust.
- Apply a liberal coat of Polycell Rusist where firm rust remains. Allow to dry for a minimum of 4 hours before overcoating with StoneChip Protector (ASC 1).

Application Environment:

Surface Temp.	Ambient Temp.	Rel. Humidity
Min: 10°C	Min: 10°C	
Max: 45°C	Max: 40°C	Max: 85°C

Stonechip Protector

Flashpoint:	Specific Gravity:	Solid content:
Non-Flammable	1.2 to 1.3 depending on colour	50% by mass, 36% by volume

Packaging: 1 litre, other pack sizes on request

Cleaning of Equipment: Water

Storage: Store away from direct sun, heat and severe cold.

Shelf Life: 12 months @ 20 - 25°C in original sealed packaging.

Important remarks:

- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. If ingested give plenty of water / milk. Do not induce vomiting. Seek medical attention. Avoid inhaling spray mist as this may cause respiratory irritation.
- Refer to material safety data sheet (MSDS) for further advice.

Protect from sunlight

Working areas should be well ventilated.
Booth must have good extraction.
Refer to Material Safety Data Sheet (MSDS)

Protect from severe cold

Disclaimer

The recommendations contained herein are given in all good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control. Should a recommendation be of a GENERAL NATURE and not refer to any particular project, and should the reader wish to use the general specification for a PARTICULAR project, then he should first confirm with the Technical Service Department that the specification can be used.
Not all products referred to in this Data Sheet are stock items. Many are manufactured only on receipt of official customer orders. It is essential, therefore, where time is of the essence, to check availability and manufacturing lead times with us.

Validity Date:

Paint technology is continually being improved and developed. Therefore before putting this Technical Data Sheet into practical use please confirm with our Technical Service Department that it has not been superseded. We cannot accept ANY responsibility where this precaution has not been taken. Issue date: JULY 2001.

To order: Quote Product name, Product Code number, packaging and colour.

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