

RD-MONOGUARD SG (Semi-Gloss)

S51 – Version 190520

DESCRIPTION OF THE PRODUCT

- USE:** Single component high performance waterborne coating. Formulated with the latest generation of resins and special anticorrosive solutions. The coating is applied as primer and finish coat.
- FEATURES:** Part of the SCS – Single Coating System - product group.
Formulated with high quality pigments and raw materials, RD-MONOGUARD protects steel and other alloys effectively and durably against corrosion, oxidation and weathering.
RD-MONOGUARD provides an equal or better protection to traditional epoxy and polyurethane systems in less layers and thickness.
RD-MONOGUARD is an ideal system for renovation work and for industrial use.
- SUBSTRATES:** Steel, new and old galvanised steel, stainless steel, aluminium, copper, ...
- SYSTEM:** Depending on the desired durability and the environment – C4, C5 I/M – RD-MONOGUARD is applied in 2 or 3 coats.
As an option, it can be top coated with any finishing product from the RD-Coatings range for extra specific properties (like anti-graffiti for example).
- On steel, iron and various metallic surfaces:
Primer: 1 coat of RD-MONOGUARD
Finish: 1 coat of RD-MONOGUARD
- A single coat system is possible on previously painted surfaces in need of an aesthetic refreshment.
- Galvanised steel: 1 coat directly on the substrate.
- Contact us for further possible combinations depending on the type of project and substrate to be painted.

APPLICATION INSTRUCTIONS

- PREPARATION OF THE SUBSTRATE:** The substrate must be clean: dry, degreased and dust free. Non adhering elements such as older coatings or rust must be removed. Different type of surface preparation are possible:
1/ Remove rust manually or by power tool to ST2 – ISO 8501-1/SSPC SP2 or SP3.
2/ Blasting to SA 2½ - ISO 8501-1/NACE3/SSPC SP6.
3/ High pressure washing following SSPCS SP12 WJ4.
Contact your RD Coatings representative in case of hesitation.
- APPLICATION CONDITIONS:** Ambient temperature: minimum 5° C (41°F) – Optimal between 12° and 25°C (54° and 77°F).
Relative humidity: maximum 80 %
Dew point > 3°C (37,4°F)

APPLICATION MEANS:	Brush, roller or airless (nozzle size: 010–012) Application by airless is recommended and makes it easier to reach the recommended thicknesses. Use a device that allows a minimum pressure of 70-150 bar / 1000 - 2000 psi at the outlet.
DILUTION:	Product is ready-for-use. Dilute with maximum 3% water when applying by airless in warm weather conditions (> 25°C / > 77°F)
CLEANING OF TOOLS:	Water.
CONSUMPTION:	+/- 0,25 L/m ² or 4m ² /L per coat – total consumption: 0,5 L/m ² or 2 m ² /L. Corresponds to a total dry film thickness of +/- 200 µ / 8 mills for long term protection.

TECHNICAL DATA

FINISH:	Semi-Gloss +/- 70 % +/- 5 under a 60° angle.
COLOURS:	White. RAL, NCS and bespoke colours. Available on RD Coatings dispensing system.
DENSITY:	Ca. 1,15 +/- 0,05 g/cm ³
SOLIDS CONTENT:	In weight: 51 % +/-2 In volume: 43 % +/-2
VOC CONTENT:	< 45 g/L
FLASH POINT:	Not flammable.
VISCOSITY:	30 - 50 P (Brookfield 20RPM)
DRYING TIME:	Touch dry : +/- 1 hour depending on thickness Recoatable: +/- 2 hours depending on film thickness Possible to apply wet on wet in special conditions.
PACKING:	1 L - 5 L - 10 L - 20 L
STORAGE STABILITY:	12 months: keep away from heat and frost

NORMS AND TESTS

SALT SPRAY	ISO 12944 / ISO 9227 / ISO 4628
WATER CONDENSATION	ISO 12944 / ISO 6270 / ISO 4628
ADHESION	ISO 2409

SAFETY DATA

Information related to hygiene and to safety can be found in the Safety Data Sheet available on request.

These specifications are given for information. Since the manufacturer is not able to check the application of the products, he cannot accept any responsibility for it. This technical data sheet replaces all previous editions.