

RD-ELASTOMETAL

S4 – Vers. 190508

DESCRIPTION OF THE PRODUCT

- USE:** High performance one component waterborne elastomeric anti-corrosion coating. RD-Elastometal combines very high anti-corrosion and waterproofing properties into a single product. This coating can be used as well as a primer or as a finishing coat.
- FEATURES:** Part of the SCS – Single Coating System - product group.
Very good adherence on steel – Provides an elastic and waterproofing film - High resistance against corrosion - Very good outdoor durability.
- SUBSTRATES:** Iron, steel and weathered galvanized steel > 1 year.
- SYSTEM:** On iron, steel and old galvanized substrates:
- Primer: 1 coat of RD-ELASTOMETAL;
 - Top coat: 1 coat of RD-ELASTOMETAL.
- 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: 015–023)
Application by airless is recommended and makes it easier to reach the recommended thicknesses. Use a device that allows a minimum pressure of 180 bar / 2600 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:** Ca. 400g/m² per coat - total consumption: 800g/m²
Corresponds to a total dry film thickness of ± 350 µ for optimal protection.

TECHNICAL DATA

FINISH:	Satin – 15%+/- 5 under a 60° angle.
COLOURS:	White, mouse grey, red-oxide, black. RAL, NCS and bespoke colours. Available on RD Coatings dispensing system.
DENSITY:	Ca. 1.25
SOLIDS CONTENT:	In weight: 64-66 % In volume: 55-57 %
VOC CONTENT:	Max 8g/L
FLASH POINT:	Not flammable
VISCOSITY:	180 P – 250 P (Brookfield 20 Rpm)
DRYING TIME: (20°C – 68°F)	Touch dry: 3 hours Recoatible: min. 6 hours
PACKING:	1 Kg – 5 Kg – 25Kg
STORAGE STABILITY:	12 months. Keep away from frost

NORMS AND TESTS – Contact your RD Coatings representative for more information.

SALT SPRAY	ISO 12944 / ASTM B117 / ISO 4628
ADHESION PUU-OFF TEST	ISO 4624
KESTERNICH TEST	ISO 3231
ADHESION X-CROSS CUT	ISO 2409
RESISTANCE TO MOISTURE	ISO 4628
WATER RESISTANCE	ASTM D970
ABRASION RESISTANCE TABER	ASTM D4060
ABRASION RESISTANCE	ASTM D968
PENCIL HARDNESS	ASTM D3363
PENDULUM HARDNESS	ISO 1522
CHEMICAL RESISTANCE	ISO 2812
FLEXIBILITY	ASTM D522
IMPACT RESISTANCE	SANS 5146 / ASTM D2794
QUV TEST	ASTM D4587 / ASTM G53
RESISTANCE TO HIGH TEMPERATURE	ASTM D2485
WATER VAPOR TRANSMISSION	ASTM D1653
SURFACE FLAMMABILITY	ASTM E84-03
OVERALL MIGRATION	EN 1186
ENCAPSULATION OF LEADED PAINT	ASTM E 1795

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.



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