



New GuardCoatingsGroup

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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		Date: May. 29, 2026
	RD-MULTIPRIM	Supersedes: 2025/04/23
		S033

Universal adhesion waterborne primer for non-ferrous, smooth and hard substrates.



DESCRIPTION OF THE PRODUCT

FEATURES:	RD-Multiprim is a universal high-performance adhesion primer designed for non-ferrous, smooth and hard substrates.
	It has been specifically developed to ensure excellent adhesion on notoriously difficult surfaces such as new galvanized steel, stainless steel, copper, glass, ceramics, and a wide range of plastics including PVC and PVDF (PVF2).
	Once dry, RD-Multiprim can be overcoated with any product from the RD Coatings range. Overcoating with products from other manufacturers – including solvent-based systems – is possible but subject to prior compatibility testing.
	Virtually odour-free, non-flammable and fast-drying, it is ideally suited for application in densely occupied areas and on sites where solvent emissions are restricted or prohibited. RD-Multiprim is a very low-emission primer, suitable for the most demanding indoor air quality projects and passes all tests across all 12 evaluated regulations and protocols, including: - Indoor Air Comfort GOLD – the most stringent label on the market - Blue Angel (DE-UZ 113) - EMICODE EC 1 PLUS – highest category - French VOC class A+ – highest class - BREEAM International - Leed v4.1 BETA & WELL V2
	Its fast-drying properties significantly reduce downtime and improve on-site productivity.
	RD-Multiprim forms a smooth, UV-resistant finish and is part of the SCS – Single Coating System product range. An SCS system means that one single product provides all functions: primer, intermediate coat, and topcoat. One product, multiple layers, full protection.
	Available on RD Coatings' colour dispensing system, RD-Multiprim can be tinted in hundreds of shades, offering both technical reliability and aesthetic flexibility.
TYPICAL APPLICATION:	✓ Renovation of coil coated panels with PVDF (PVF2) ✓ Renovation of ceramics ✓ Renovation of aluminium window frames and panels ✓ Maintenance and refurbishment projects - Application in occupied or sensitive environments
KEY FEATURES & BENEFITS:	✓ Passes major international VOC & TVOC limitation norms ✓ Primer and finish in one system ✓ Water-based formulation, low VOC and environmental impact ✓ Non-flammable – no fire risk ✓ Fast drying – reduced downtime and site occupancy disruption ✓ UV-resistant, aesthetic satin finish - REACH compliant, PFAS, APEO and heavy metals free
SUBSTRATES:	✓ Fresh and weathered galvanized steel ✓ Stainless steel, zinc, aluminium, copper, lead ✓ Glass ✓ Hard PVC, PVDF / PVF2 ✓ Polished concrete, ceramics - Existing paints & coatings such as epoxies, polyurethanes, alkyds, acrylics...

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RECOMMENDED SYSTEMS

ADHESION PRIMER FOLLOWED BY ANY TOP COAT FROM RD COATINGS

Product	Minimum total dry film thickness in μm mils	Minimum number of coats (*)	Total theoretical consumption $\pm$ (**)	Total theoretical coverage $\pm$ (**)
RD-Multiprim	40 μm 1.6 mils	1	0.10 L/m ²	10 m ² /L 400 sq-f/gal

EXAMPLES OF TYPICAL SYSTEMS

PVDF / PVF2 coated panels

Product	Minimum total dry film thickness in μm mils	Minimum number of coats (*)	Total theoretical consumption $\pm$ (**)	Total theoretical coverage $\pm$ (**)
RD-Multiprim	40 μm 1.6 mils	1	0.10 L/m ²	10 m ² /L 400 sq-f/gal
RD-Metal Unicoat	95 μm 4 mils	1	0.20 L/m ²	4.95 m ² /L 200 sq-f/gal

Surfaces exposed to moderate wear

Product	Minimum total dry film thickness in μm mils	Minimum number of coats (*)	Total theoretical consumption $\pm$ (**)	Total theoretical coverage $\pm$ (**)
RD-Multiprim	40 μm 1.6 mils	1	0.10 L/m ²	10 m ² /L 400 sq-f/gal
RD-Aquatop PU	60 μm 2.5 mils	1	0.15 L/m ²	6.50 m ² /L 260 sq-f/gal

Surfaces exposed to high and intensive wear

Product	Minimum total dry film thickness in μm mils	Minimum number of coats (*)	Total theoretical consumption $\pm$ (**)	Total theoretical coverage $\pm$ (**)
RD-Multiprim	40 μm 1.6 mils	1	0.10 L/m ²	10 m ² /L 400 sq-f/gal
RD-Hydrograft HP	50 μm 2 mils	1	0.10 L/m ²	9.60 m ² /L 390 sq-f/gal

(*) Number of coats

Depends on the application method, tools used and site conditions. Certain application methods may require additional coats. Achieving the specified dry film thickness in fewer coats is not recommended and may not be technically feasible.

(**) Theoretical consumption

Values are theoretical and may vary depending on surface profile, shape, roughness, porosity, application method and site conditions. Higher consumption should be anticipated.

For project-specific recommendations, please contact your RD Coatings representative.

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APPLICATION INSTRUCTIONS

APPLICATION CONDITIONS:	Ambient temperature: - Minimum: 5°C 41°F – beware on condensation risks and slow drying - Optimal: 12-25°C 54-77°F Relative humidity: maximum 80 % Surface temperature: minimum 3°C 5°F above dew point. Avoid application during winter conditions or periods with high condensation risk.
APPLICATION METHODS:	Brush Roller Airless spray (recommended): - Nozzle size: 0.011–0.015 - Pressure: 70-150 bar 1000-2200 psi Note: Additional coats may be required depending on the application method.
SURFACE PREPARATION:	General: The substrate must be clean, dry, degreased, and free from dust, salts, oil, grease, and all non-adherent materials prior to application. RD-Eco PowerClean is recommended as a pre-cleaning agent. Apply RD-Eco PowerClean, allow to react for 10–15 minutes, then rinse thoroughly using high-pressure water. Specific substrates: - Aluminium: clean with RD-Eco PowerClean or 10% diluted sulphuric acid or light sanding. - PVDF/PVF2: clean with RD-Eco PowerClean, pressure wash with hot water at 200 bar. Must be roughened with a nylon with a nylon scouring pad. - Galvanized & stainless steel: clean with RD-Eco PowerClean - Copper: clean with 10% diluted hydrochloric acid or light sanding. - Existing paints & coatings: Only apply over sound, clean, and well-adhering coatings. Light to moderate sanding may be required. Perform adhesion test first. Note: Surface preparation may affect finish and performance. Contact your RD Coatings representative for guidance.
DILUTION:	Product is ready-for-use.
DRYING TIME:	Touch dry: ± 1 hour
(20°C 68°F)	Recoatable: ± 4 hours – <u>No maximum recoating window.</u>
CLEANING OF	Water.
TOOLS:	
SPECIFICITIES:	Mixhomogenously before use.

TECHNICAL DATA

FINISH:	Satin - Minimum 15% +/- 5 GU (Gardner 60°), depending on the shade.
COLORS:	White. RAL, NCS and bespoke colours available via the RD Coatings tinting system.
DENSITY:	1.3 ± 0.05 Kg/L ± 10.85 lb/gal (US)
SOLIDS CONTENT:	In weight: 54 % ± 2 In volume: 40 % ± 2



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VISCOSITY: 20 - 30P (Brookfield 20RPM)

VOC CONTENT: < 40 g/L | 0.33 lb/gal (US)

FLASH POINT: Non-flammable.

STORAGE STABILITY: 24 months: keep away from heat and frost

PERFORMANCE STANDARDS & TEST RESULTS

Standard / Norm	Short description	Result
ISO 2409 / ASTM D3359	Adhesion by cross-cut / tape test on aluminium, new galvanized steel, stainless steel, copper	GT 0 (ISO) / 5B (ASTM) -> excellent
ISO 6860	Conical mandrel	Pass (No cracking or delamination)
ISO 1519	Flexibility – cylindrical mandrel bending (Ø 2 mm)	No cracking or delamination
ISO 6272-2	Rapid deformation (impact resistance) Direct impact	1 Kg / 1m No visible crack
	Rapid deformation (impact resistance) Reverse impact	1 Kg / 0,9 m No visible crack
		70 s
ISO 1522	Pendulum hardness (Persoz)	F
ISO 15184	Pencil hardness – Scratch resistance	

VOC Emission test report

Regulation or protocol	Conclusion	Version of regulation or protocol
Indoor Air Comfort GOLD	Pass	Indoor Air Comfort GOLD v2026 of January 2026
Indoor Air Comfort	Pass	Indoor Air Comfort v2026 of January 2026
ABG/AgBB	Pass	Ausschuss zur gesundheitlichen Bewertung von Bauprodukten (September 2024)
Belgian Regulation	Pass	Royal decree of May 2014 (C-2014/24239)
BREEAM International	Pass	BREEAM International New Construction 2025
BREEAM NOR	Pass	BREEAM NOR v6.1.1 New Construction
Leed v4.1 BETA & WELL V2	Pass	November 2025
EMICODE	EC 1 PLUS	25.11.2025
EU Taxonomy	Pass	Regulation (EU) 2020/852 of the European Parliament and of the Council
Blue Angel (DE-UZ 113)	Pass	January 2019 - Version 9
Italian CAM Edilizia	Premium Score	Decreto Ministeriale 24 novembre 2025 – Criteri Ambientali Minimi per l'edilizia
French VOC Regulation	A+	Decree of March 2011 (DEVL1101903D) and Arrêté of April 2011 (DEVL1104875A) modified in February 2012 (DEVL1133129A)
FrenchCMR components	Pass	Regulation of April and May 2009 (DEVP0908833A and DEVP0910046A)

SAFETY DATA

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