

RD-HYDROGRAFF HP GLOSS - SATIN - MAT

S45-46 – Version 190701

DESCRIPTION OF THE PRODUCT

USE:	Ultra-high resistant high performant coating specially formulated to protect durably all kind of substrates against wear, abrasion, chemical aggression, liquids, etc. Two-component waterborne aliphatic polyurethane for indoor and outdoor use. Appropriate for application on concrete floors, wooden floors, walls, steel, nonferrous metals, etc.
FEATURES:	RD-Hydrograff HP is formulated with high quality raw materials and procures a very good chemical resistance, a very good resistance against abrasion and solvents, a very high hardness (Taber abrasion: weight loss after 1000 cycles /CS 10 = 0.060 g); while keeping a flexible film that will avoid cracks. RD-Hydrograff HP can reach very high levels of anti-corrosion protection surpassing traditional three coat systems when combined with RD-Monoguard.
SUBSTRATES:	Steel et non-ferrous metals (with proper primer), concrete, wood, plastics.
SYSTEM:	<p><u>Metals:</u></p> <ul style="list-style-type: none"> • Primer: RD-Monoguard • Finish: RD-Hydrograff HP <p><u>Concrete or wooden floors:</u></p> <ul style="list-style-type: none"> • Primer: RD-Hydrograff HP • Finish: RD-Hydrograff HP <p><u>Painted substrates or plastics:</u></p> <ul style="list-style-type: none"> • RD-Hydrograff HP <p>Seen the very wide variety of plastics, it is recommended to perform a trial first. Eventually, RD-Multiprim can be used as primer.</p>

APPLICATION INSTRUCTIONS

PREPARATION OF THE SUBSTRATE:	The substrate must be clean, dry, degreased and free of dust. <u>Concrete floors:</u> Using a diamond sanding machine to prepare the surface will allow to increase the mechanical adhesion of the coating. In case of new polished concrete floors, the curing compound should be removed first by means of a curing remover or by grid blasting. <u>Metals:</u> For applications on metals, a first coat of RD-Monoguard is advised. <u>Wood:</u> The use of a sanding machine to prepare the surface allow to increase the mechanical adhesion of the coating.
APPLICATION CONDITIONS:	Indoor: ventilate very well Outdoor: only by dry weather Ambient temperature: > 5°C and < 35°C (>41°F < 95°F) Relative Humidity: maximum 80 %
APPLICATION MEANS:	Brush and roller. Compressed air: nozzle opening 1,4 mm – 4 to 6 bars of pressure (60 to 90 psi) Airless: nozzle opening 007 to 009 – Pressure +/- 70 bars (+/- 1000 psi)

DILUTION: Ready to use.
Dilute the first coat by maximum 10% with water when applied as primer on a porous substrate.

CLEANING OF TOOLS: Water

CONSUMPTION: Floors – parquet – concrete – cement:
+/- 6m²/L and per coat. +/- 245 sqf/gallon and per coat.

Metal – plastic:

Gloss – Satin $\pm 10 \text{ m}^2/\text{L}$ - $\pm 405 \text{ ft}^2/\text{gal.}$ **Mat** $\pm 8,5 \text{ m}^2/\text{L}$ - $\pm 350 \text{ ft}^2/\text{gal.}$

This consumption may not be exceeded. An excessive consumption can cause formation of gas bubbles in the paint film.

PARTICULARITIES: Just before the application, add slowly component B into component A by mixing mechanically. After mixing, let it rest during 5 to 10 minutes so that the air bubbles disappear. The mixture must be used within 2 hours.
Pot-life: 2 hours

TECHNICAL DATA

FINISH: (Gardner 60° angle) Gloss: 85 +/-5%
Satin: 35 +/-5%
Mat: 7 +/-5%

COLOURS: RAL, NCS and bespoke colours.
Available on RD Coatings dispensing system.
Available in transparent, see technical datasheet of RD-Hydrograff HP Clear.

DENSITY: 1.25 +/- 0.05

MIXING RATIO: Weight: 270g of component B for 995 g of component A
Volume: 3.5 : 1

SOLIDS CONTENT:	Weight: Gloss: 58% Satin: 59% Mat: 60%	Volume: Gloss: 48% Satin: 49% Mat: 50%
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VOC CONTENT: Max 20 g/L

FLASH POINT: Not flammable

VISCOSITY: 15 - 25 P (Brookfield 20 Rpm)

DRYING TIME: Touch dry: 6 hours
Recoatable: min. 8 hours and maximum 72h without sanding
Resistance to moderate use: 3 days
Resistance to intensive use: 7 days

PACKING: 1 L - 2.5 L - 5 L

STORAGE STABILITY: 12 months, keep away from frost

NORMS AND TESTS

ABRASION RESISTANCE TABER	ASTM D4060
OVERALL MIGRATION	EN 1186
QUV	ASTM D4587 / ASTM G53 /ISO11507
CORROSION	ASTM B117 / ISO 9227
PENCIL HARDNESS	ISO 15184
PERSOZ HARDNESS	ISO 1522
CHEMICAL RESISTANCE	INTERNAL TESTS
ADHERENCE CROSS CUT	ISO 2409

SAFETY DATA

The safety data sheet is available on request.

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