

RD-AQUATOP PU

GLOSSY/SATIN/MAT



DESCRIPTION OF THE PRODUCT

USE: High performance interior and exterior enamel with superior properties.

FEATURES: RD-Aquatop PU is a single-component top coat based on acrylic and polyurethane resins that offers a hard flexible and wear resistant film that can be used for decorative and protective purposes.

RD-Aquatop PU is water-based, easy to handle, safe and has no fire risks. It is a fast-drying coating system that greatly reduces downtime during installation. Virtually odour free, it does not affect neighbouring occupants and can therefore be used in occupied buildings.

RD-Aquatop PU creates a nice and smooth finish. Thanks to its high-quality pigments, it offers very good resistance to humidity and has a very good outdoor durability.

RD-Aquatop PU has successfully been tested to be used for constructions regulated by the LIVING BUILDING CHALLENGE – LEED.

SUBSTRATES: Various plastics, concrete, cement, wood, metal (with primer), coated surfaces, ...

SYSTEMS

Ferrous metals		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon	Comments
Primer	RD-Monoguard	200 / 8	85 / 3,4	0,20 L / 200	Coverage depends on colour contrast. An extra coat may be required
Finish	RD-Aquatop PU	100 / 4	40 / 1,6	0,10 L / 400	
TOTAL			125 / 5		

Non-ferrous metals - (stainless steel, aluminium, ...), plastics:		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon	Comments
Primer	RD-Multiprim	100 / 4	40 / 1,6	0,10 L / 400	Coverage depends on colour contrast. An extra coat may be required
Finish	RD-Aquatop PU	100 / 4	40 / 1,6	0,10 L / 400	
TOTAL			80 / 3,2		

Wood, concrete, hard plastics:		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon	Comments
Primer	RD-Aquatop PU	100 / 4	40 / 1,6	0,10 L / 400	
Finish	RD-Aquatop PU	100 / 4	40 / 1,6	0,10 L / 400	
TOTAL			80 / 3,2	0,20 L / 200	

Pre-painted elements like doors, plinths,...:		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon	Comments
Primer/Finish	RD-Aquatop PU	100 / 4	40 / 1,6	0,10 L / 400	Coverage depends on colour contrast. An extra coat may be required

Aesthetical fresh-up:

A single coat is possible on previously painted surfaces in need of an aesthetic refreshment.

Indicated consumption is theoretical and does not consider potential losses during application. It can also be influenced by the porosity of the substrate.


APPLICATION INSTRUCTIONS

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 (5°F)
APPLICATION MEANS:	Brush, roller or spray gun. 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)
PREPARATION OF THE SUBSTRATE:	Preparation will depend on the kind of substrate. In general, the surface must be cleaned and degreased prior to applying RD-Aquatop PU.
DILUTION:	Product is ready-for-use.
DRYING TIME: (20°C – 68°F)	Touch dry: +/- 1h30 hours Dry: +/- 2 hours Recoatible: +/- 4 hours
CLEANING OF TOOLS:	Water.
SPECIFICITIES:	Mix well before use.

TECHNICAL DATA

FINISH: (Gardner 60°)	Glossy: 80 +/- 10 Satin: 35 +/- 5 Mat: 7 +/- 5
COLOURS:	Stock colours: White. RAL, NCS and bespoke colours. Available on RD Coatings dispensing system.
DENSITY:	Ca. 1,2 +/- 0,05 g/cm ³
SOLIDS CONTENT:	In weight: 47 % +/-2 In volume: 39 % +/-2
VISCOSITY:	20 - 30 P (Brookfield 20RPM)
VOC CONTENT:	< 50 g/L
FLASH POINT:	Not flammable.
STORAGE STABILITY:	12 months: keep away from heat and frost
PACKAGING:	1 L – 2,5 L – 5 L – 10 L

NORMS AND TESTS

RED LIST COMPLIANCE	Living Building Challenge v3
VOC EMISSION TEST RESULTS	California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017
TVOC CONCENTRATION RANGE	USGBC's LEED v4 rating systems
USGBC LEED Version 4, BD&C, ID&C	
The WELL Building Standard	
ANSI/GBI 01, Green Building Assessment Protocol	
	ISO 16000-6 / COV classification in France

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.

[Contact your RD Coatings representative for any further information.](#)

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