



New Guard Coatings Group

A global reputation to protect.

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Rights are reserved to change and update the data without notice.

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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Technical sheet : RD-Multiprim

Description of the product

USE:

Universal adhesion primer for non-ferrous and smooth surfaces.

FEATURES:

Single component water-based primer based on acrylic resins used for the priming of difficult surfaces to ensure a better adhesion of the subsequent coating system.

RD-Multiprim 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 odor free, it does not affect neighboring occupants and can therefore be used in occupied buildings.

RD-Multiprim offers little resistance against corrosion and it is advised mainly for non-ferrous substrates. Should corrosion resistance be required, RD-Monoguard or RD-Elastometal will be an excellent choice.

RD-Multiprim can be overcoated with no limitation in time by any water-based coating from the RD Coatings range. Even if it is UV resistant, we recommend overcoating it for better resistance to weathering.

SUBSTRATES:

Galvanized steel, aluminium, stainless steel, glass, zinc, hard PVC, polished concrete, ceramics, ...

Systems

Generally:		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	Depends on use.
Finish	Any water-based coating from RD Coatings	

Some typical examples:

On PVDF claddings:		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 color contrast. An extra coat may be required.
Finish	RD-Monovar PU	150 / 6	40 / 1,6	0,15 l / 275	
TOTAL			80 / 3,2		

On glass, hard pvc:		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon
Primer	RD-Multiprim	100 / 4	40 / 1,6	0,10 l / 400
Finish	RD-Aquatop PU	155 / 6	60 / 2,4	0,15 l / 265
TOTAL			100 / 4	

On stainless steel:		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon
Primer	RD-Multiprim	100 / 4	40 / 1,6	0,10 l / 400
Finish	RD-Aquatop PU	155 / 6	60 / 2,4	0,15 l / 265
TOTAL			100 / 4	

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%
Surface temperature must be minimum 3°C (5°F) above dew point.
Concrete screed may not contain more than 5% of humidity

APPLICATION MEANS:

Brush, roller or airless (nozzle size: 011-15)

PREPARATION OF THE SUBSTRATE:

RD-Multiprim has an excellent adhesion on many kinds of surfaces and does not need any specific surface preparation other than having a clean and dry surface.

Scratching some difficult type of surfaces with sandpaper type 180 will help to increase the adherence.

In case of new polished concrete floors, the curing compound should be removed first by means of a curing remover (30% solution of hydrogen chloride) or mechanically.

Aluminium: preferably clean with RD-Eco PowerClean detergent diluted with water, use a conventional detergent or sulfuric acid diluted at 10%.

On new galvanized steel: preferably clean with RD-Eco PowerClean detergent diluted with water or use a conventional detergent.

Stainless steel: preferably clean with RD-Eco PowerClean detergent diluted with water or use a conventional detergent.

Copper: clean with hydrochloric acid diluted to 10% and rinse with water.

DILUTION:

Product is ready-for-use.

DRYING TIME (20°C - 68°F):

Touch dry: +/- 1 hour

Recoatible: +/- 4 hours - No maximum recoating window.

CLEANING OF TOOLS:

Water

SPECIFICITIES:

Mix well before use.

Technical data

FINISH (Gardner 60°):

Satin: 15 % +/- 5

COLOURS:

Stock colors: white.
RAL, NCS and bespoke colors.
Available on RD Coatings dispensing system.

DENSITY:

1.3 +/- 0.05 g/cm³

SOLIDS CONTENT:

In weight: 54 % +/-2
In volume: 40 % +/-2

VISCOSITY:

20 - 30 P (Brookfield 20RPM)

VOC CONTENT:

< 40 g/l

FLASH POINT:

Not flammable

STORAGE:

24 months, keep away from frost and store away from heat.

Norms and tests

Adherence	ISO 2409
	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.

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