



New Guard Coatings Group

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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-Edeck Slurry

Description of the product

USE:

Single-component waterproof elastomeric coating, intended for use as the wear coat for pedestrian and vehicular bearing applications on parking decks, walkways, mechanical rooms, stadiums and arenas, balconies, plaza and rooftop decks.

FEATURES:

RD-Edeck Slurry is based on a mixture of water-based emulsion with quartz aggregates producing a textured, non-skid and high wear resistant layer for horizontal surfaces subject to traffic that will protect the surface. Thanks to its permanent flexibility and elasticity, RD-Edeck Slurry can absorb impact and abrasion without cracking, and can bridge small cracks in the surface. It can also hide small imperfections on the surface as it can be applied up to approximately 0,8 mm / 35mils thick in one single coat.

RD-Edeck Slurry can also be used in combination with RD-Elastodeck fully reinforced waterproofing membrane in areas subject to wear and abrasion.

RD-Edeck Slurry is single package and has no pot-life which gives more comfort and time to the applicator to apply it, resulting in a more qualitative work and less waste. The system can bridge cracks and can recreate a smooth and even surface on damaged or light irregular floors. It is a system which is simple to use for both small and large size projects or spot repairs and does not need investment in expensive tools to apply it.

RD-Edeck Slurry 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 neighbouring occupants and can therefore be used in occupied buildings.

RD-Edeck Slurry does not necessarily need to be overcoated in outdoor applications. However, its rough profile may attract dirt and stains and it is therefore recommended to apply a finish coat of RD-Hydrograff HP or RD-Monofloor PU to help maintain a cleaner surface.

SUBSTRATES:

Can be applied to a wide variety of surfaces including concrete, cement, wood panels, ...

Systems

Surfaces subject to heavy wear: warehouses, parks Decks, busy passage...		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon	Comments
Primer	RD-Elastodeck (or RD-Unifix)	90 / 3,6	50 / 2	0,11 Kg / 445	Max 25% dilution depending on porosity and smoothness
Intermediate	RD-Edeck Slurry	900-1200 / 36-48	580-770 / 22-31	1,5-2Kg / 44-33	1 coat
		900-1200 / 36-48	580-770 / 22-31	1,5-2Kg / 44-33	Optional 2 nd coat
Optional: Broadcast sand slightly or until rejection to strengthen the surface or for extra anti-skid properties.					
Finish	RD-Hydrograff HP (*)	105 / 4	50 / 2	0,10 L / 390	1 or 2 coats
(*) Other options are possible: RD-Monovar PU or RD-Monofloor PU. Contact your RD Coatings representative for more information.					

Surfaces subject to light to moderate wear: balconies, decks, foot passage...		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon	Comments
Primer	RD-Elastodeck (or RD-Unifix)	90 / 3,6	50 / 2	0,11 Kg / 445	Max 25% dilution depending on porosity and smoothness
Intermediate	RD-Edeck Slurry	600-900 / 24-36	390-580 / 15-22	1 - 1,5 Kg / 66-44	1 coat
Optional: Broadcast sand on the wet surface slightly or until rejection to strengthen the surface, or for extra anti-skid properties.					
Finish	RD-Monofloor PU (*)	200 / 8	85 / 3,4	0,20 L / 200	1 coat
(*) Other options are possible: RD-Monovar PU or RD-Hydrograff HP. Contact your RD Coatings representative for more information.					

Areas subject to chemical spills:

The system can be top coated by one or two coats of RD-Hydrograff HP Clear High Gloss.

Waterproofing system:

In case of exterior concrete decks, containment basins or storage areas requiring waterproofing to achieve both containment and wear resistant properties, RD-Edeck Slurry is used in combination with RD-Elastodeck fully reinforced waterproofing systems and can be applied directly on top of the waterproofing layer without the use of a primer.

Check the TDS of RD-Elastodeck for more information. Indicated consumption is theoretical and does not consider potential waste during application. It can also be influenced by the porosity and roughness of the substrate.

Application instructions

APPLICATION CONDITIONS:

Ambient temperature: minimum 10°C (50°F) – Optimal between 12 and 28°C (54 and 82°F).

Relative humidity: maximum 90% with no threat of rain for 12 hours.

The concrete surface may not contain more than 4% relative humidity.

APPLICATION MEANS:

Brush, roller, notch squeegee, or metal trowel.

RD-Edeck Slurry can also be spray-applied using the Graco TexSpray T-max 6912 (large jobs), TexSpray RTX 5000PI (medium jobs) or TexSpray FastFinish (small jobs). Using these kinds of equipment allows greater productivity and a nicer finish.

PREPARATION OF THE SUBSTRATE:

The surface must be clean, dust-free and dry.

In case of mosses on the surface, remove it with a special anti-moss product.

Repair small cracks using RD-ACRYL W.

Use RD-CEMENT FILLER to perform concrete repairs.

PREPARATION OF THE PRODUCT:

Product is ready-for-use. Stir mechanically for 3 to 5 minutes before use.

DRYING TIME (20°C - 68°F):

Touch dry: +/- 3-4 hours

Recoatable:

+/- 18 hours at 15°C – 60°F

+/- 12 hours at 26°C – 80°F

+/- 4 hours at 35°C – 90°F

Total thickness and ventilation can greatly influence drying time.

CLEANING OF TOOLS:

Water

Technical data

FINISH (Gardner 60°):

Mat

COLOURS:

Grey, +/- RAL7005. Other colours are possible on demand.

DENSITY:

1.7 +/- 0.05 g/cm³

SOLIDS CONTENT:

In weight: 79% +/-2

In volume: 65% +/-2

VISCOSITY:

150 - 200 P (Brookfield 20RPM)

VOC CONTENT:

< 7 g/L

FLASH POINT:

Not flammable

STORAGE:

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

Norms & tests

Title	Norm	Results
Red List Compliance	Living Building Challenge v3	Pass
VOC emissions	California Department of Public Health CDPH/EHLB/Standard Method version 1.2, 2017	Pass
VOC emissions	ISO 16000-6 / VOC classification used in France	A+
TVOC Concentration	USGBC's LEED v4 rating systems	Pass
Waterproofing	Karsten pipes	Class II
Abrasion resistance Taber	ASTM D4060	66,5 mg CS10 wheel
Flexion resistance	ISO 1519 / cylindrical mandrel 5 mm	Pass
Flexion resistance	ISO 6860 / conical mandrel	Pass

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 more information.

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