



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-Elastoflex Quartz

Description of the product

USE:

Breathable waterproofing and protection coating for walls and facades with structured effect.

FEATURES:

Single component water-based elastomeric coating formulated with pure acrylic resins and high-quality pigments. Thanks to its structure effect, RD-Elastoflex Quartz will help to hide imperfections on walls and protect the surface against water ingress while allowing water vapour to escape through the paint film. This will prevent moisture and polluted air being trapped inside the building. Its high elasticity, maintained also during winters, helps to bridge cracks and maintain the film properties durably. On constructions with active cracks, the use of RD-Mur Fleece is highly recommended to strengthen the system and guarantee its performance over the years.

RD-Elastoflex Quartz 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-Elastoflex Quartz is UV resistant and is meant to be applied as primer or intermediate coat in a RD-Elastoflex waterproofing system.

RD-Elastoflex Quartz complies with the requirements of EN 1504-2 as a protective coating for concrete (principles 1.3 / 2.3 / 8.3 according to EN 1504-9: 2006) and has a CE marking.

SUBSTRATES:

New and old masonry - Cement - Concrete

Systems

Unpainted porous supports, painted surfaces:		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon	Comments
Primer	RD-Unifix			0,10 L / 400	If porous substrate
Primer	RD-Elastoflex diluted with 10% water	258 / 10,3	155 / 6,2	0,40 Kg / 157	If non-porous substrate
Texture coat	RD-Elastoflex Quartz	630 / 25	420 / 17	1,00 Kg / 65	Final consumption will depend on irregularities on wall
Finish	RD-Elastoflex	258 / 10,3	155 / 6,2	0,40 Kg / 157	
TOTAL			730 / 29,4		

Façade waterproofing system with active cracks:		Wet film thickness in microns / mils	Dry film thickness in microns / mils	Consumption per m ² / ft ² per gallon	Comments
Primer	RD-Unifix			0,10 L / 400	If porous substrate
Primer	RD-Elastoflex diluted with 10% water	258 / 10,3	155 / 6,2	0,40 Kg / 157	If non-porous substrate
Repair	RD-Acryl W	Repair cracks with mastic			
	RD-Mur Fleece	Unroll the fleece prior to applying the coating and brush the first layer through it.			
Sealing	RD-Elastoflex	258 / 10,3	155 / 6,2	0,40 Kg / 157	
Texture coat	RD-Elastoflex Quartz	630 / 25	420 / 17	1,00 Kg / 65	Final consumption will depend on irregularities on wall
Finish	RD-Elastoflex	258 / 10,3	155 / 6,2	0,40 Kg / 157	
TOTAL			885 / 36		

Risks of chemical spills or graffitis:

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

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.

APPLICATION MEANS:

Brush, roller or low-pressure texture spray gun. (Tip Size 4mm).

PREPARATION OF THE SUBSTRATE:

The substrate must be clean, dry, and free of dust.

New masonries must be cleaned first with an iron brush to eliminate all spatters of mortar.

Painted substrates should be cleaned with a high-pressure washing machine.

If the support is mossy, the moss must be removed with a special anti-moss product. Fill up the cracks with RD-Acryl W.

Active cracks should be reinforced with RD-Mur Fleece.

Use RD-Cement Filler to repair important repairs on concrete.

DILUTION:

Product ready for use.

RD-Elastoflex Quartz can be diluted by maximum 10% with water by warm weather (> 25°C / 77°F) for a better wettability.

DRYING TIME (20°C - 68°F):

Touch dry: +/- 2 hours

Recoatable: +/- 24 hours

CLEANING OF TOOLS:

Water

SPECIFICITIES:

Mix well before use.

RD-Elastoflex has a very high hiding power, we advise therefore to use different colours for the first and second coat for better recognition.

Technical data

FINISH (Gardner 60°):

Textured finish. Mat – 5% +/- 5

COLOURS:

White.

If a specific colour is requested, RD-Elastoflex Quartz can be covered by RD-Elastoflex or RD-Mur Acryl.

DENSITY:

1.6 +/- 0.05 g/cm³

SOLIDS CONTENT:

In weight: 78 % +/-2

In volume: 67 % +/-2

VISCOSITY:

200 - 220 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

CE Certificate	EN 1504-2:2004
CHLORIDE PENETRATION RESISTANCE	NT Build 489
BOND STRENGTH BY PULL-OFF	EN 1542
FREEZE THAW THERMAL SHOCK	EN 13687-1
THUNDER SHOWER THERMAL SHOCK	EN 13687-2
CRACK BRIDGING	EN 1062-7
CRACK BRIDGING AFTER UV	EN 1062-7
CAPILLARY ABSORPTION	EN 1062-3
WATER VAPOR TRANSMISSION	DIN EN 1062-6
CO2 DIFFUSION	DIN 53122-1
UV RESISTANCE	ISO 11507

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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