



New Guard Coatings Group

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by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

Waterborne, single component, elastomeric, textured coating used to waterproof exterior vertical walls and facades.



DESCRIPTION OF THE PRODUCT

FEATURES: RD-Elastoflex Quartz is a single-component, waterborne elastomeric coating formulated with high-quality acrylic resins and selected quartz aggregates. The structured quartz effect helps to hide surface imperfections and provides a durable decorative finish.

RD-Elastoflex Quartz can be applied as a standalone textured façade coating or incorporated within the RD-Elastoflex System to create a structured finish over anti-carbonation and breathable waterproofing systems for mineral substrates.

It is specifically designed for exterior surfaces, where it provides:

- a breathable yet waterproof protective layer against driving rain,
- a structured decorative finish,
- enhanced surface robustness and long-term weather resistance.

The quartz texture allows the product to mask minor substrate imperfections and creates a uniform, aesthetic mineral appearance while maintaining vapor permeability.

RD-Elastoflex Quartz complies with EN 1504-2 as part of a protective coating for concrete (Principles 1.3 / 2.3 / 8.3 according to EN 1504-9) and is CE marked.

RD-Elastoflex Quartz is water-based, virtually odour-free, **non-flammable** and **fast drying**. It is ideally suited for application in **densely occupied areas** and in sites where **solvent emissions are restricted or prohibited**, including sensitive industrial and commercial environments, ensuring safe use and minimal operational disruption.

TYPICAL APPLICATION:

- ✓
- ✓ Waterproofing and protection of concrete constructions, walls and façades
- ✓ Protection against carbonation, weathering and water ingress
- ✓ New construction and renovation projects
- ✓ Renovation of historical and landmark buildings
- Buildings with static or active cracks

KEY FEATURES & BENEFITS:

- ✓
- ✓ Single component, water based elastomeric coating
- ✓ High elasticity with permanent crack bridging capacity
- ✓ Breathable: allows water vapour diffusion while blocking liquid water
- ✓ UV resistant – suitable as primer and finishing coat
- ✓ Excellent dirt pick up resistance for long lasting aesthetics
- ✓ Fast drying – reduced downtime
- ✓ Virtually odour free, non-flammable
- ✓ Suitable for use in occupied buildings
- EN 1504-2 compliant and CE marked

SUBSTRATES:

- ✓
- ✓ New and old masonry,
- ✓ Concrete, Cement based substrates,
- ✓ Brick, block stucco, pre-cast, terra cotta,
- Exterior Insulation and Finishing Systems (EIFS)

RECOMMENDED SYSTEMS

APPLICATION ON WALLS AND OTHER MINERAL SURFACES – STUCCO FINISHES

Product	Minimum total dry film thickness in μm mils	Minimum number of coats (*)	Total theoretical consumption \pm (**)	Total theoretical coverage \pm (**)
Primer: RD-Elastoflex (diluted by 20%)		1	0.1 Kg/m ²	10 m ² /Kg 600 sq-f/gal
Texture: RD-Elastoflex Quartz	630 μm 25 mils	1	1.5 Kg/m ²	0.66 m ³ /Kg 40 sq-f/gal
Topcoat: RD-Elastoflex	155 μm 6 mils	1	0.4 Kg/m ²	2.5 m ² /Kg 150 sq-f/gal

In case of porous and/or chalking surface, apply RD-Unifix to saturation as primer.
Apply RD-Acryl W to all joints and cracks after Primer.

⚠ Thickness and consumption vary according to the chosen texture intensity.

SYSTEM FOR BRIDGING MINOR ACTIVE CRACKS

	Product	Minimum total dry film thickness in μm mils	Minimum number of coats (*)	Total theoretical consumption \pm (**)	Total theoretical coverage \pm (**)
Primer	RD-Unifix or RD-Elastoflex (diluted by 20%)		1	0.1 L-Kg/m ²	10 m ² /L-Kg 600 sq-f/gal
Detail	RD-ACRYL W, applied to all joints and cracks.				
Waterproofing	RD-Elastoflex	155 μm 6 mils	1	0.4 Kg/m ²	2.5 m ² /Kg 150 sq-f/gal
Texture	RD-Elastoflex Quartz	630 μm 25 mils	1	1.5 Kg/m ²	0.66 m ³ /Kg 40 sq-f/gal
Topcoat	RD-Elastoflex	155 μm 6 mils	1	0.4 Kg/m ²	2.5 m ² /Kg 150 sq-f/gal

SYSTEM FOR BRIDGING LARGE ACTIVE CRACKS

	Product	Minimum total dry film thickness in μm mils	Minimum number of coats (*)	Total theoretical consumption \pm (**)	Total theoretical coverage \pm (**)
Primer	RD-Unifix or RD-Elastoflex (diluted by 20%)		1	0.1 L-Kg/m ²	10 m ² /L-Kg 600 sq-f/gal
Detail	RD-ACRYL W, applied to all joints and cracks.				
Waterproofing	RD-Elastoflex together with RD-Mur Fleece	155 μm 6 mils	1	0.4 Kg/m ²	2.5 m ² /Kg 150 sq-f/gal
Texture	RD-Elastoflex Quartz	630 μm 25 mils	1	1.5 Kg/m ²	0.66 m ³ /Kg 40 sq-f/gal
Topcoat	RD-Elastoflex	155 μm 6 mils	1	0.4 Kg/m ²	2.5 m ² /Kg 150 sq-f/gal

(*) Number of coats

Depends on the application method, tools used and site conditions. Certain application methods may require additional coats. Achieving the specified dry film thickness in fewer coats is not recommended and may not be technically feasible.

() Theoretical consumption**

Values are theoretical and may vary depending on surface profile, shape, roughness, porosity, application method and site conditions. Higher consumption should be anticipated.

OTHER TYPICAL APPLICATION RECOMMENDATIONS

Risk of graffiti:

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

Occasional contact with chemicals and/or intensive surface wear

The system can be top coated by one or two additional coats of RD-Hydrograff HP if not already specified in the system.

⚠ For projects where breathability / vapour permeability is critical:

The application of RD-Hydrograff HP may affect the vapour permeability of the RD-Elastoflex system. It is therefore strongly recommended to apply RD-Hydrograff HP strictly and only to the areas where protection is required.

For project-specific recommendations, please contact your RD Coatings representative.

APPLICATION INSTRUCTIONS

**APPLICATION
CONDITIONS:**

Ambient temperature:

- Minimum: 5°C | 41°F – beware on condensation risks and slow drying
- Optimal: 12-25°C | 54-77°F

Relative humidity: **maximum 80 %**

Surface temperature: minimum **3°C | 5°F above dew point.**

Avoid application during winter conditions or periods with high condensation risk.

**APPLICATION
METHODS:**

Brush

Roughcast roller

Low-pressure texture spray gun. (Tip Size 4mm)

Note: Additional coats may be required depending on the application method.

**SURFACE
PREPARATION:**

General:

The substrate must be clean, dry and free from dust and non-adherent materials. New masonry must be cleaned using a wire brush to remove all mortar splashes. Painted substrates should be cleaned with RD-Eco PowerClean and rinsed by high-pressure washing.

If the substrate is affected by moss or biological growth, remove it using a suitable anti-moss treatment.

Repair cracks using RD-Acryl W; active cracks must be reinforced with RD-Mur Fleece | RD-Fleece Woven.

Use RD-Cement Filler to carry out major concrete repairs.

DILUTION:

Product is ready-for-use.



PRODUCT DATA SHEET

RD-ELASTOFLEX QUARTZ

Page: 4 of 4
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WE21

Dilute with **maximum 10%** water when applying by airless or in warm weather conditions (> 25°C | > 77°F) for better wettability.

DRYING TIME: (20°C | 68°F) Touch dry: ± 6 hours
Recoatable: ± 24 hours – No maximum recoating window.
Drying times also depend on film thickness and ambient humidity.

CLEANING OF TOOLS: Water.

SPECIFICITIES: Mix homogeneously with a paddle mixer at low speed.

TECHNICAL DATA

FINISH: Flat 5 % +/- 5 (Gardner 60°), depending on the
COLORS: shade. White.
DENSITY: 1.6 ± 0.05 Kg/L | ± 13.35 lb/gal (US)
SOLIDS CONTENT: In weight: 78 % ± 2
In volume: 67 % ± 2
VISCOSITY: 200 - 220 P (Brookfield 20RPM)
VOC CONTENT: < 40 g/L | 0.33 lb/gal (US)
FLASH POINT: Non-flammable.
STORAGE STABILITY: 24 months: keep away from heat and frost

PERFORMANCE STANDARDS & TEST RESULTS

Standard / Method	Short description	Result
EN 1504-2:2004	Surface protection system for concrete	Complies – CE marked
ISO 16000-6	Indoor air VOC emissions	A+

DoP, EPD and/or performance criteria with more details are available upon request.

SAFETY DATA

Information related to hygiene and safety can be found in the Safety Data Sheet available on request.

DISCLAIMER

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.