



New GuardCoatingsGroup

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www.newguardcoatings.com

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

Powerful biodegradable alkaline detergent containing anti-flash rust additives for cleaning and preparing surfaces before painting.



DESCRIPTION OF THE PRODUCT

FEATURES: RD-Eco Powerclean is a high-performance, biodegradable alkaline detergent with strong degreasing power. It rapidly removes grease, oily residues, soot and dirt of animal, vegetable or mineral origin.

Supplied as a concentrate, it dissolves readily in water and gives off no unpleasant odor. It is easy to apply with a cloth or a low-pressure pump sprayer. After a few minutes' dwell time and thorough rinsing, the surface is perfectly degreased.

The anti-flash rust additives help prevent chloride contamination by leaving a passivating layer on the surface that remains active for up to 3 days. This is particularly valuable in marine and coastal environments, as well as in polluted industrial areas.

RD-Eco Powerclean is particularly suitable for cleaning metal surfaces before painting. After cleaning, the special additives temporarily protect the surface from salts (sodium chlorides) sometimes present in the atmosphere, and rust.

RD-Eco Powerclean is a versatile cleaner and degreaser, suitable for floors (garages, service stations, industrial premises, workshops, terraces, etc.), walls, metal surfaces (structures, beams, machinery, car rims, containers, skips, etc.) and painted surfaces.

RD-Eco Powerclean is biodegradable and meets the criteria set out in Regulation (EC) No 648/2004: 90% degradable within 28 days.

TYPICAL APPLICATION:

- ✓ Steel structures and engineered constructions
- ✓ Bridges, tanks, industrial installations
- ✓ Harbour and coastal related structures
- ✓ Maintenance and refurbishment projects
- ✓ Application in occupied or sensitive environments
- ✓ Food and pharmaceutical industries

KEY FEATURES & BENEFITS:

- ✓ Water-based formulation, biodegradable and low environmental impact
- ✓ Adjustable concentrate/water mix for light to heavy cleaning properties
- ✓ Non-flammable – no fire risk
- ✓ REACH compliant, PFAS, APEO and heavy metals free

SUBSTRATES:

- ✓ Compatible with all metals, plastics and glass.
- ✓ Can also be applied to mineral, painted, etc. surfaces.
- ✓ To be tested carefully on sensitive or delicate surfaces.

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

APPLICATION METHODS:

Brush, Cloth
Low pressure or Hudson sprayer



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SURFACE PREPARATION:

Scrape / brush off coarse dirt beforehand.

CONSUMPTION:

+/- 100 m² per liter of concentrate when diluted to 5% in water.
Final consumption will be influenced by the nature of the substrate, its condition and the method of application.

INSTRUCTIONS

RD-Eco Powerclean must be diluted into clean water.

1. Dilute:

- 5 to 10% into 100% water for low to average soiling.
- 20% in the event of heavy soiling.
- Concentrate can be used also undiluted for very heavy soiling. Beware of stains, discoloration or change of properties due to the very alkalinity.

2. Leave to act for several minutes, usually about 10 – 15 minutes.

3. Rinse with clean water, RD-Eco Powerclean is easily removed with water.

4. Let dry before painting.

CLEANING OF TOOLS:

Water.

SPECIFICITIES:

Mix well before use. Make a test first on delicate or wooden surfaces and do not let the product act for too long, rinse with water. Wear protective gloves, clothing and eyewear when handling.

TECHNICAL DATA

COLOR:

Blue-green concentrate

DENSITY:

1.03 ± 0.02 Kg/L | ± 8.6 lb/gal (US)

PH

10

FLASH POINT:

Non-flammable.

STORAGE STABILITY:

Concentrate : more than 3 years from the date of production.

Protect from frost.

Mixture : up to 4 weeks after mixing with water if stored in a clean, closed container.

PERFORMANCE STANDARDS & TEST RESULTS

Standard / Norm	Short description	Result
ISO 16000-6	Indoor air VOC emissions	A+
Regulation (EC) No648/2004	Surfactant biodegradability and ingredient labelling requirements	Complies

SAFETY DATA

Wear protective gloves, clothing and eyewear when handling.

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

DISCLAIMER

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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.