

New Guard Coatings Group

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uksales@newguardcoatings.com



+44 1937 586311

Global Head Office: New Guard Coatings Ltd, Sandbeck Way, Wetherby, Leeds, LS22 7DN





Monodex Textured

High Performance, Flexible, Waterborne Textured Wall Coating



Product Overview

Elastomeric, water-based, decorative wall coating with a textured finish and anti-microbial protection. CE-marked in accordance with BS EN 1504-2.

Uses

On internal and external walls for hiding surface defects and imperfections, providing a uniform appearance and improving the aesthetic appearance of buildings and other structures. Suitable for surface protection systems principles 2.2, 8.2 as defined in BS EN 1504-2.

Advantages

- High build, textured finish effectively hides surface defects.
- Advanced in-film, non-leaching biocide is encapsulated into the coating, inhibiting the growth of mould, algae and lichens for many years.
- State-of-the-art cross-linking micropolymer resin system affords outstanding durability.
- Provides effective protection against water ingress, yet allows damp substrates to breathe and dry out without blistering.
- Low hazard, water-based product with no flash point. Equipment easily cleaned with water.
- Excellent adhesion to concrete and other masonry substrates.
- Tough, hard-wearing finish with an anticipated lifespan of at least 10 years.

Description

MONODEX TEXTURED is a high quality, single component, textured acrylic, protective and decorative coating for masonry surfaces. Based on an advanced micropolymer resin binder which cross-links to afford excellent durability, it effectively waterproofs the surface for many years, yet allows high levels of entrapped substrate moisture to escape without causing blistering or delamination. The resin-rich coating encapsulates the individual textured particles without leaving thin areas over particle peaks. It has an elastomeric formulation, bridging hairline cracks and facilitating substrate movement without cracking or flaking. **MONODEX TEXTURED** is available in a range of attractive colours, and an active biocide inhibits mould and lichen growth.

Compliance

- CE-Marked in accordance with BS EN 1504-2. Suitable for surface protection systems principles 2.2, 8.2 as defined in BS EN 1504-2.

Specification Clause

The protective coating shall be a single component, textured acrylic, waterproof coating incorporating a micropolymer, cross-linking resin binder. It shall be CE-Marked in accordance with BS EN 1504-2 and shall comply with the following performance specification:

- Water vapour transmission no greater than 12g/m²/day in accordance with BS EN ISO 7783-2.
- Liquid water permeability no greater than 0.06 kg/(m².h^{0.5}) in accordance with BS EN 1063-3: 1998.
- No blistering, cracking or flaking after at least 2,000 hours QUV-B weathering in accordance with EN 1062-11.



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Flexcrete Technologies Ltd
Tomlinson Road, Leyland PR25 2DY England
17
 0086-CPD-530942

EN1504-2: Surface Protection Systems – Moisture Control;
 (MCC)

Adhesive Bond	: Pass ≥ 0.8 MPa
Permeability to Water Vapour	: Class I < 5m
Capillary Absorption	: Class III < 0.1 kg.m ⁻² .h ^{0.5}
Artificial Weathering	: 12,500 hours
Dangerous Substances	: Complies with 5.4
Reaction to Fire	: Euroclass F



Technical Data / Mechanical Characteristics

Property	Standard	BS EN 1504-2 Requirement	Result
Adhesive Bond	EN1542	≥ 0.8 MPa Crack bridging or flexible systems	2.9MPa
Water Vapour Permeability (Equivalent Air Layer Thickness)	EN 7783-2	Class I (Permeable) S _D < 5m	S _D = 1.71m
Liquid Water Transmission Rate (Capillary Absorption)	EN 1062-3	Class III (Low) W≤0.1 kg.m ⁻² .h ⁻⁰⁵	W=0.06 kg.m ⁻² .h ⁻⁰⁵ @240µm
Elongation at Break	BS 903 Part A2	-	1 coat 46% (nominal 400µm DFT) 2 coats 172% (nominal 800µm DFT)
Tensile Strength	BS 903 Part A2	-	1.4MPa
Accelerated Weathering	EN 1062-11	-	No blistering, cracking or flaking after 12,500 hours QUV-B weathering
Solids Content			73.9% (wt) 56.9% (vol)
Specific Gravity			1.65
VOC Content			< 0.05% by mass
Minimum Application Temperature			3°C
Reaction to Fire	EN13501-1	Euroclass	Euroclass F

The properties given above are obtained from laboratory tests: results obtained from on-site testing may vary according to site conditions.

Application Instructions

Preparation

The areas to be treated must be free from unsound material, i.e. dust, oil, grease, mould release agents, corrosion by-products and organic growth. Mechanically remove surface laitance and any soft, sandy or flaking material. Use techniques to achieve the required degree of preparation, such as wet grit or water blasting techniques or equivalent approved methods. Seal blow holes and surface defects in existing concrete using **MONOLEVEL FC** or **MONOLEVEL ICB**. Flexcrete Concrete Repair Mortars must be allowed to cure for a minimum of 24 hours. Leave concrete and cementitious screeds or renders for a minimum of 10 days, preferably 28 days. Our Technical Department will advise on treating other substrates.

Equipment

Brushes: Wide, soft nylon or bristle paint brushes.

Rollers: Use a heavy nap (¾" or 1") synthetic cover.

Spray: Air-fed hopper guns or similar can be used. Different textures can be achieved in conjunction with plastic rollers as detailed above.

Priming of Concrete

Ensure substrate moisture content is less than 20% wood moisture equivalent. Apply **BOND-PRIME** to prepared surfaces at a rate of up to 5m²/litre by brush, roller or airless spray. Ensure complete coverage. Rough or porous surfaces will increase consumption. For further information, please refer to the relevant Technical Data Sheet and Priming Guide.

Coating Application

Apply **MONODEX TEXTURED** by brush, roller or hopper gun at the coverage rates below. For a lightly textured decorative finish, one coat may be applied. For full waterproofing, or where a higher relief is preferred, two coats are recommended. Allow to dry for a minimum of 4 hours in ideal conditions until touch dry before applying a second coat where appropriate.

Coat	Coverage Rate			
	l/m ²	m ³ /l	WFT (µm)	DFT (µm)
1 st	0.5	2.0	Variable	
2 nd	0.5	2.0	Variable	
Overall	1.0	1.0		Variable

A 15 litre unit will cover 15m².

Coverage rates are for smooth, non-absorbent surfaces. Make allowances for uneven or absorbent surfaces.

Please note that paler shades may require an additional coat when covering a dark background.



Cleaning and Storage

All tools should be cleaned with water immediately after use.

Shelf life is 2 years for unopened containers stored in dry, frost free conditions away from heat.

Packaging

MONODEX TEXTURED is supplied in 15 litre containers.

Health and Safety

Safety Data Sheets are available on request.

Application Top Tips

1. If possible, complete work using only one batch number. As with any paint, avoid using different batch numbers on the same elevation or inter-mix batches to ensure full continuity of colour.
2. For brush application use wide, soft nylon or bristle brushes.
3. Rough, porous or irregular substrates will reduce coverage.
4. **MONODEX TEXTURED** cannot be applied by airless spray equipment although other air-fed spray equipment may be used.
5. Clean brushes and rollers occasionally during use.
6. Regularly clean spray nozzles to avoid blockages.
7. Curing/drying is temperature dependent. As a guide the coating will be touch dry in approximately 4 hours in hot conditions (>30°C.), 8 hours at 20°C. and 4-12 hours at lower temperatures (<10°C.).
8. The product is through-cured in 4-24 hours dependent on ambient temperature.

The information herein is correct to the best of our knowledge, but it does not necessarily refer to the particular requirements of the customer. If the customer has any particular requirements it should make them known in writing to Flexcrete Technologies Limited, and obtain further advice accordingly.



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Quality
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