



# 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 exhibit water vapour transmission of circa 12g/m<sup>2</sup>/day in accordance with BS EN ISO 7783-2.

**CE**  
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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 <sup>-2</sup> .h <sup>-0.5</sup>
Artificial Weathering	: 12,500 hours
Dangerous Substances	: Complies with 5.4
Reaction to Fire	: Euroclass F



Technical Data

Property	Standard	BS EN 1504-2 Requirement	Typical 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 <sub>D</sub> < 5m	S <sub>D</sub> = 1.71m
Liquid Water Transmission Rate (Capillary Absorption)	EN 1062-3	Class III (Low) W≤0.1 kg.m <sup>-2</sup> .h <sup>-05</sup>	W=0.06 kg.m <sup>-2</sup> .h <sup>-05</sup> @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 **MONODEX 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.

Treating Cracks and Joints

**MONODEX ICB** should be used locally or overall as a pre-treatment for hairline cracking and for filling live cracks, construction joints and joints between dissimilar materials (see relevant technical data sheet). **MONOLEVEL FC** may be used to fill larger static cracks. Where **MONODEX TEXTURED** is to be continued across joints, reinforce the membrane with **FLEXCRETE FLEX-TAPE** embedded in **MONODEX ICB** centrally over the crack or joint. Allow to dry, and if necessary, lightly sand to remove any prominent edges before continuing. Overall reinforcement incorporating **CEMPROTEC GFM** random weave glass fibre matting may be used over larger areas. Further information is available through our Technical Department.

Substrate Priming

Ensure substrate is dry, maximum 20% on Protimeter WME scale. Except in instances where **MONODEX ICB** is used as an overall pre-treatment, apply **BOND-PRIME** to prepared surfaces at a rate of up to 5m<sup>2</sup>/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 <sup>2</sup>	m <sup>2</sup> /l	WFT (µm)	DFT (µm)
1 <sup>st</sup>	0.5	2.0	Variable	
2 <sup>nd</sup>	0.5	2.0	Variable	
Overall	1.0	1.0		Variable

A 15 litre unit will cover 15m<sup>2</sup>.

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.



**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.

**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.

