

MAXSEAL FLEX

Product Information Page

Maxseal Flex is a two component flexible cementitious waterproof coating for concrete and masonry.

Specification Tip for Design Professionals:

Maxseal Flex may be specified by name or by using the following description: "a propriety flexible waterproof coating against positive and negative pressure for concrete and masonry".



How does Maxseal Flex work:

Maxseal Flex consists of two components: part A (Resin) and part B (Powder). When mixed together these components produce a flexible waterproof coating, which has excellent adhesion to concrete and masonry.

How do I prepare the surface before applying Maxseal Flex:

Using a sharp tool, square-cut all cracks, damages, etc. to the substrate and using a non-aggressive method remove the damaged concrete to a depth of 20mm and repair the surface using Maxplug. Detail all upstands, internal corner, pipe penetrations, etc. with Maxplug, Maxseal Flex and Drizoro Mesh.

All surfaces must be free from any contaminants which may inhibit the adhesion of the Maxseal Flex. Low-pressure washing of the surfaces with clean potable water or other non aggressive methods are recommended.

Important: All detailing must be completed prior to the application of the main coating of Maxseal Flex.

- ✓ Fully flexible waterproof coating
- ✓ Approved for use with drinking water
- ✓ Suitable for both positive and negative water pressure applications
- ✓ Covers shrinkage and hairline cracks of the concrete
- ✓ Withstands atmospheric pollution
- ✓ Effective against the corrosive effects of salt water and de-icing salts
- ✓ Environmentally friendly, non-toxic and chloride free
- ✓ Excellent adhesion and easy to apply
- ✓ Suitable for above and belowground applications
- ✓ Root resistance when detailed with Drizoro Mesh

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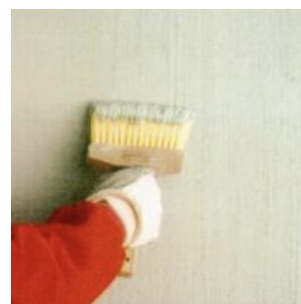
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How do I apply Maxseal Flex:

Pour the contents of Part A (Liquid) into a clean vessel, gradually adding the contents of Part B (Powder) whilst mixing with a slow speed drill. Do not add water to the mix.



Apply the product within 15 minutes of mixing.

Maxseal Flex may be applied by using a fibre-bristled brush or a suitable sprayer to the properly prepared substrate as follows:

- Damp down the surface with clean potable water.
- Apply a 1mm thick coat of Maxseal Flex and allow curing for between 16 hours and 3 days.
- Apply a second 1mm thick coat of Maxseal Flex in opposite direction to the first coat.

Note: Surfaces treated with Maxseal Flex should be protected from rain for at least 24 hours after application. Maxseal Flex should not be applied if the temperature is 5°C or below, or if the temperatures are expected to fall below 5°C in the following 24 hours.



Cleaning Equipment:

Clean all equipment using clean potable water.

How do I store Maxseal Flex:

Maxseal Flex should be stored in its original manufacturer's container in dry conditions and protected from frost.

Packaging:

Maxseal Flex is packed in 35kg units (25kg powder bag and 10L liquid container).

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TECHNICAL DATA:			
Appearance	Part A (white liquid) Part B (grey coloured cement based material)		
Optimum Application Temperature	Plus 10°C		
Application Coverage	1-1.5kg/m² per coat		
Suitability for Drinking Water	Listed in the Water Regulations Advisory Scheme (WRAS) for contact with potable water, tested under BS 6920		
Adhesion to Substrates	Substrate	N/mm²	Breakage
	Concrete (ASTM D-4541)	2.0	Mortar
	Maxseal Flex (ASTM D-4541)	1.8	Mortar
	Steel Panel HKHA MTS 97/99	1.73	Mortar
Bending Test on re-bar 8mm	20% elongation without cracks		
Resistance to sulphates	Classified as “High Resistance”		
Elongation at break	59 ± 52		
Shelf Life	12 months from manufacture date		

CE Marking

Maxseal Flex fulfils the directive 89/106/CE for Construction Products, meeting all the prescribed requirements relative to the application of the European Standard UNE-EN 1504-2 for Mortar for the protection of concrete surface.

Test Reports:

- Bridge Protection Code 1994 and 2004 (Sweden)
- ASTM C1202 - Resistance to Sulphates
- Drinking Water Suitability Test

Disclaimer:

The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However, the client is obliged to determine themselves what products are suitable for use. Accordingly, no liability will be accepted by IBC Limited t/a SURFASOLOGY™. For further information contact the SURFASOLOGY™ Technical Department.

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Smart Surface Solutions

Waterproofing and Damp Proofing Specialists



WHO WE ARE

SURFASOLOGY, formerly IBC Ltd., is Ireland's leading waterproofing and damp proofing specialist that has been proudly providing market leading, innovative, and sustainable construction solutions since 1976.

Our high-quality products and systems are accompanied by our professional technical support and a full installation service. **SURFASOLOGY** technical consultancy team have unrivalled experience in major construction projects, as well as solving everyday problems for homeowners, with long term trustworthy solutions.

Our products are all manufactured in ISO Quality System compliant facilities and meet the relevant local, National, & European standards. **SURFASOLOGY** network members manufacture products exclusively in Germany, Switzerland, Spain, Greece and the UK. We support these products in local markets with highly-qualified technical professionals, who understand both on-site demands and the design detail. We work in a collaborative way with our clients at all stages of the project to ensure that the correct design, preparation, and application are carried out to ensure a timely and successful outcome for all stakeholders.

Get in touch with us today!

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Our world class solutions encompass the whole building envelope both above and below ground.

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Specialist Screeds & Coatings

High quality floor finish on domestic, commercial, under-floor heating or industrial projects.

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We offer a highly efficient selection of products for the repair and protection of concrete elements.

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Extensive experience and expertise in Project Design and Technical Support Services ensuring reliable outcomes for all our clients.

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RIAI and RIBA approved CPD Seminars to specifiers on a variety of topics covering structural waterproofing and damp proofing.

**INNOVATIVE, WORLD-CLASS,
SUSTAINABLE CONSTRUCTION
SOLUTIONS, POWERED BY OUR
EXTENSIVE EXPERIENCE AND
EXPERTISE.**

SURFASOLOGY

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