

# MAXSEAL FLEX EXPRESS

Product Information Page

**Maxseal Flex Express is a two-component flexible cementitious waterproof coating with a very fast setting time suitable for urgent waterproofing works.**

**Specification Tip for Design Professionals:**

Maxseal Flex Express may be specified by name or by using the following description “a propriety flexible cementitious waterproof coating with a very fast setting time”.

**How does Maxseal Flex Express work:**

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

**How do I prepare the surface before applying Maxseal Flex Express:**

Using a sharp tool, square-cut all cracks, damages, etc. to the substrate, use a non-aggressive method remove the damaged concrete to a depth of 20mm, make good the area using Maxplug. Detail all upstands, pipe penetrations, etc., following the methodology provided by SURFASOLOGY.

All surfaces must be free from contaminants which may inhibit the adhesion of the Maxseal Flex Express. 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 Express.**



- ✓ Fully flexible waterproof coating
- ✓ May be covered with ceramic tiles, mortars, soil, gravel etc., after two hours.
- ✓ 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

**SURFASOLOGY**

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### How do I apply Maxseal Flex Express:

Pour 75% of the Part A (Liquid) into a clean vessel, gradually adding the contents of Part B (Powder) whilst mixing with a slow speed drill ( 400-600 rpm). Mix for approximately 2- 3 minutes, add the remaining liquid and mix until a homogeneous mixture that is free from lumps is achieved . Do not add water to the mix.



### Apply the product within 15 minutes of mixing.

Maxseal Flex Express 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 Express.
- Apply a second 1mm thick coat of Maxseal Flex Express in opposite direction to the first coat, allowing a minimum curing of between 30 and 60 minutes and a maximum curing time of 24 hours between coats.

**Note: Surfaces treated with Maxseal Flex Express should be protected from rain for at least 2 hours after application. Maxseal Flex Express should not be applied if the temperature is 5°C or below, or if the ten**



### Cleaning Equipment:

Clean all equipment using clean potable water.

### How do I store Maxseal Flex Express :

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

### Packaging:

Maxseal Flex Express 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/m <sup>2</sup> per coat	
Suitability for Drinking Water	Non-toxic and chloride-free. Suitable for contact with potable water.	
Cured Characteristics	Water Pressure EN 12390-8 (ATM)	Positive Pressure >4 Negative Pressure >1.5
	Permeability to CO <sub>2</sub> , EN 1062-6.Sd (m)	83
	Permeability to water vapour, EN ISO 7783-1/-2. Classification V(g/m <sup>2</sup> .day) /Sd(m)	Class 1: Permeable to water vapour 6.8 /3.0
	Permeability to water and capillary absorption, EN 1062-3 . W (kg/m <sup>2</sup> h <sup>0.5</sup> )	0.01
Elongation at break, UNE 53510 (%)	>40%	
Adhesion to concrete	1.5N/mm <sup>2</sup>	
Tensile Strength, UNE 53510 (MPa)	>1.0	
Shelf Life	12 months from manufacture date	

## CE Marking

Maxseal Flex Express 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 Coating C.

Principles/Methods. Protection against ingress with coating (Principle 1-PI/1.3). Moisture control with coating( Principle 2-MC/2.2) and Increasing resistivity by limiting moisture content with coating (Principle 8 –IR/8.2).

## 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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## 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.

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SUSTAINABLE CONSTRUCTION  
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EXTENSIVE EXPERIENCE AND  
EXPERTISE.**

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**SURFASOLOGY**

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