

Velosit CW 111

Product Information Page

Velosit CW 111 is a crystalline waterproofing slurry coating for concrete substrates.

Specification Tip for Design Professionals:

Velosit CW 111 may be specified by name or by using the following description: a propriety crystalline cementitious slurry coating for concrete substrates.

How does Velosit CW 111 work:

Velosit CW 111 penetrates the concrete and creates a waterproof layer inside the concrete.

How do I prepare the surface before applying Velosit CW 111:

All surfaces must be free from any contaminants which may inhibit the adhesion of the Velosit CW 111. Pressure washing of the surfaces with clean potable water or other non-aggressive methods are recommended.

Water Ingress: Active water leaks must be treated and fully stopped using Velosit PC 221 or a suitable resin injection.

Dry Cracks/ Cold Joints: Using a sharp tool, square-cut the perimeter of the crack or damages area, using a non-aggressive method remove the damaged concrete, fill the opening using Velosit RM 211 and finish with Velosit CW 111



What are the key benefits Velosit CW 111:

- ✓ Self-healing properties of up to 0.4mm static cracks
- ✓ Suitable for use on potable water retaining structures
- ✓ Open to foot traffic after 4 hours
- ✓ Suitable for both positive and negative water pressure applications
- ✓ Environmentally friendly, non-toxic and chloride free
- ✓ Excellent adhesion and easy to apply
- ✓ Suitable for above and belowground applications

Velosit CW 111 Application Areas:

- ✓ Waterproofing of basements and below grade parking structures
- ✓ Waterproofing of potable water structures
- ✓ Protection of dams and spill-ways
- ✓ Waterproofing of sewage structures
- ✓ Waterproofing of tunnels and pipelines
- ✓ Slab waterproofing (dry shake application)
- ✓ Waterproofing of elevator pits

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How do I apply Velosit CW 111:

Pour 5.75 litres of clean potable water into a clean vessel, gradually adding the contents of the 25kg unit of Velosit CW 111, whilst mixing with a slow speed drill until a lump-free consistency is achieved.

Apply the product within 30 minutes of mixing.

Velosit CW 111 may be applied by using a fibre-bristled brush, trowel or by suitable spraying equipment. The mixed material should be applied in two coats in the opposite direction to each other to achieve the specified coverage.

Spray application may be completed in one coat to achieve the specified coverage.

Note: Velosit CW 111 may be applied using the “dry-shake method” please contact our Technical Department for further information.

Important: Surfaces treated with Velosit CW 111 should be protected from rain for at least 24 hours after application. Velosit CW 111 should not be applied if the temperature is 5°C or below or are expected to fall below 5°C in the following 24 hours.

Curing: Mist cure with clean potable water in hot or very dry windy conditions for 4 hours.

Cleaning Equipment: Clean all equipment using clean potable water before Velosit CW 111 dries.

How do I store Velosit CW 111:

Velosit CW 111 should be stored in its original manufacturer’s container in dry conditions and protected from frost.

TECHINCAL DATA:	
Appearance	Grey
Optimum Application Temperature	Plus 10°C
Application Coverage	0.8kg/m ² per coat
Compressive / Flexural Strength @ 4 hours	8 / 1 MPa
Adhesion to Concrete (EN 1015-12)	2.8(MPa)
Carbonation resistance	Passed
Shelf Life	12 months from manufacture date

Please protect the environment: Dispose of waste in accordance with the local authority regulations.

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.

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SUSTAINABLE CONSTRUCTION
SOLUTIONS, POWERED BY OUR
EXTENSIVE EXPERIENCE AND
EXPERTISE.**

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

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