

# Velosit WP 101

Product Information Page

**Velosit WP 101** is a cement-based, high strength waterproof slurry coating for concrete and masonry.

### Specification Tip for Design Professionals:

VELOSIT WP 101 may be specified by name or by using the following description: a propriety cement-based, high strength waterproof slurry coating for concrete and masonry.

### How does Velosit WP 101 work:

A chemical reaction occurs between the mixing liquid (water) and the special additives and polymers contained in Velosit WP 101 which produces a high strength waterproof slurry coating that is suitable for positive and negative water pressure.

### How do I prepare the surface before applying Velosit WP 101:

All surfaces must be free from any contaminants which may inhibit the adhesion of the Velosit WP 101. 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:** Using a sharp tool, square-cut the perimeter of the crack or damages area, using a non-aggressive method remove the damaged concrete, repair the surface using Velosit WP 101 or Velosit RM 202.

Fillets should be formed at all upstands and internal corners using Velosit WP101 or Velosit RM 202.



### What are the key benefits Velosit WP 101:

- ✓ Fully waterproof coating
- ✓ Suitable for use on potable water retaining structures
- ✓ Open for water pressure after 24 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

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### How do I apply Velosit WP 101:

Pour 1.3 litres of clean potable water into a clean vessel, gradually adding the contents of the 25kg unit of Velosit WP 101, whilst mixing with a slow speed drill until a lump-free consistency is achieved, add more water until the desired consistency is achieved. The maximum amount of mixing water is 5 litres per 25kg of Velosit WP 101.

Apply the product within 15 minutes of mixing.

Velosit WP 101 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.

**Note:** Surfaces treated with Velosit WP 101 should be protected from rain for at least 24 hours after application. Velosit WP 101 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.

**Cleaning Equipment:** Clean all equipment using clean potable water.

### How do I store Velosit WP 101:

Velosit WP 101 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	1.6kg/m <sup>2</sup> per coat
Compressive / Flexural Strength @ 4 hours	12 / 2 MPa
Adhesion to Concrete (EN 1015-12)	1.6(MPa)
Resistance to Freeze-thaw	Classified as very good resistance
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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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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