

VX Guardian C Flex 100 is waterproofing made from cement and modified polymer. Consists of 2 components, namely powder and liquid which are packaged separately ready to be mixed and stirred evenly. When it is still wet, the mixture will take the form of a liquid cement paste and after drying it will become a thin sheet that is elastic, waterproof and strong.

Designed to coat concrete to make it watertight in wet areas such as swimming pools, water tanks and also protect certain areas such as basements, concrete roofs and gutters.

ADVANTAGES

- Easy to mix & apply.
- Good adhesion.
- High flexibility.
- Can be used outdoors (Weather Resistance).
- Permeable to water vapor, so it doesn't blister (Breathable)

PRODUCT SPECIFICATION

Form	Liquid (Part A), Powder (Part B), Pasta (Mixed)
Type	Two component waterproofing cement and acrylic based
Mixing ratio	Part A : B = 1 : 1,25
Mix colour	Grey (Natural)
Finish	Matt / Doff
Drying time to concrete (30°C)	
Final Set Full Cure	± 24 Hours ± 7 Days
Application temperature	15 – 35 °C
Humidity maximum	80% RH Provide adequate ventilation during application and drying
Coverage	1-1,5 kg/m ² (2x Coating)
Recoating interval to concrete (30°C)	45 – 60 minutes

Disclaimer. The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials substrates and actual size conditions are such that no warranty in respect of merchantability of or fitness for particular purpose, nor any liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and all risks and liability in connection therewith. The information contained in the brochure may change at any time without notice.



TECHNICAL DATA

Solid Content by weight (mix)	> 82 %
Density (mix)	~ 1.6 gr/ml
Bond strength to concrete (ASTM D 4541).	~ 1 N/mm ²
Elongation (ASTM D412).	> 100%
Tensile strength (ASTM D412)	~ 1.5 N/mm ²
Crack bridging (ASTM 836)	~ 2 mm
Weather resistance (QUV Accelerated tester, UV A, 1000 hours) (ASTM D4587)	Good (no crack, no blister, not fragile)
Water resistant	Excellent

APPLICATION

I. SURFACE PREPARATION

- The concrete base must be clean and free from dirt, dust and spills of other materials.
- The concrete base should be smooth and level without sharp protrusions or depressions.
- The concrete base must be saturated with water and the remaining standing water drained once the work is started.

II. DETAIL

- All angled corners must be made into special stands so that the corners are not too sharp. This holder is made from a special mortar material that does not shrink and is of good quality. We recommend using **VX Guardian C Flex 100**.

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III. MIXING

- **VX Guardian C Flex 100** is mixed and stirred in one place that is good and strong enough, for example a tin bucket (pail) with sufficient capacity to accommodate all the ingredients to be stirred.
- For mixing, you can use a cement mixer (for smaller quantities) or a stirrer equipped with an electric motor for larger capacities.
- Pour the **VX Guardian C Flex 100** liquid portion in the bucket and slowly start adding the powdered **VX Guardian C Flex 100** while the stirrer is running continuously.
- Stir the mixture of the two ingredients above until it is even and there are no more lumps, usually it takes around 3 -5 minutes to get an even mixture.
- Do not add cement or water.

IV. COATING

- Coating can be done using a regular paint brush or paint roll.
- Recommended to coat at least 2 layers with the layers crossing each other or in different directions.

V. CURING

- **VX Guardian C Flex 100** can be stepped on and walked on after 2 days. The drying process is only effective after 7 days and is ready to accept water pressure.
- Special care is not required except for installation in areas open to sun and wind. Use the tent or protector for 5 days from installation of **VX Guardian C Flex 100**

PACKAGING

VX Guardian C Flex 100 package in :

Liquid : 20 kg/pail

Powder : 25 kg/sak

STORAGE

VX Guardian C Flex 100 can be stored for up to 12 months in a dry and cool location in intact condition, not torn or opened.

HEALTH AND SAFETY

VX Guardian C Flex 100 contains cement which has alkali content, skin protection such as gloves should still be used. Spills or drips of **VX Guardian C Flex 100** are cleaned up as soon as possible with water.