

VX Guardian C Flex 75 is a cementitious waterproofing with polymer modification as its main ingredient. It consists of two components, liquid and powder, packaged separately, ready to be mixed and stirred evenly. While still wet, the mixture forms a paste - like liquid cement, and upon drying, it becomes a thin, flexible, waterproof, and strong sheet. VX Guardian C Flex 75 designed to coat concrete for waterproofing in wet areas such as toilets, bathrooms, kitchens, pools, water tanks, and also to protect specific areas such as basements, concrete roofs, and gutters.

ADVANTAGE

- Easy to mix and apply.
- Has flexibility, making it resistant to hairline cracks in concrete.
- Vapor-permeable, preventing blistering (Breathable).
- Safe to use for concrete in water tanks (non-toxic).
- Excellent adhesive properties.

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 : 2,5
Mix Colour	Grey (Natural)
Finish	Matte/Doff
Drying time to concrete (30° C) Final Set Full Cure	± 24 Hours ± 7 Days 15 – 35° C
Humidity Maximum	80% RH Provide adequate ventilation during application and drying
Coverage	1,5 – 2 kg/m ² (2x Coating)
Recoating interval to concrete (30° C)	± 90 minutes

TECHNICAL DATA

Solid Content By weight (mix)	> 82%
Density (Mix)	~ 1.7 – 1.8 gr/ml
Pot life (30° C)	± 30 minutes
Bond strength to concrete (ASTM D 4541)	~ 1 N/mm ²
Elongation (ASTM D412)	~ 75%
Tensile Strength (ASTM D412)	~ 1.3 N/mm ²
Crack Bridging (ASTM 836)	~ 1 mm
Weather resistance (QUV Accelerated tester, UV A, 500 hours) (ASTM D4587)	Good (no crack, no blister)
Water Resistant	Excellent

PACKAGE

VX Guardian C Flex 75 is packaged in 35 kg-set with :
Liquid : 10 kg/pail
Powder : 25 kg/zak.

STORAGE

VX Guardian C Flex 75 can be stored for up to 12 months if kept in a dry and cool place in intact and undamaged packaging.



APPLICATION

I. SURFACE PREPARATION

- The concrete base must be clean and free from dirt, dust, and spills of other materials.
- The concrete base must be smooth and even, without any protrusions or sharp indentations.
- The concrete base must be saturated with water, and any excess water must be dried before commencing the work.

II. DETAIL

- All sharp corners must be provided with special supports to prevent them from being too sharp. These supports are made of special non-shrinking mortar of good quality. It is advisable to use VX Groutmaster 70

III. MIXING

VX Guardian C Flex 75 should be mixed in a suitable and sturdy container, such as a metal pail, capable of holding all the materials to be mixed.

- For mixing, a cement mixer can be used for smaller quantities, or a stirrer equipped with an electric motor for larger capacities. Pour the VX Guardian C Flex 75 liquid component into the container and slowly add the VX Guardian C Flex 75 powder while continuously stirring.
- Mix the two components thoroughly until homogeneous and free of lumps, usually requiring about 3 - 5 minutes to achieve a uniform mixture.
- Do not add cement or water

IV. APPLICATION

- Application can be done using a regular paintbrush or paint roller.
- It is recommended to apply at least 2 coats with each coat applied in a crisscross or alternating direction.

V. CURE

VX Guardian C Flex 75 can be walked on and passed through after 2 days. The drying process is fully effective after 7 days and ready to withstand water pressure.

- Special care is not required except for installations in areas exposed to sunlight and wind. Use a tent or protective covering for 5 days after installing VX Guardian C Flex75.

HEALTH AND SAFETY

VX Guardian C Flex 75 powder contains cement, which has alkaline properties. Therefore, skin protection such as gloves should be used. Spills or drips of VX Guardian C Flex 75 should be cleaned up immediately with water.

