

VX Guardian C Flex 30 is a cementitious waterproofing with polymer modification. It consists of two components, liquid and powder, packaged separately, ready to be mixed and stirred evenly. It is highly practical and economical for small and medium-sized concrete roofs, bathrooms, pools, water tanks, flower pots, and more.

ADVANTAGES

- Easy to mix and apply.
- Consistent quality due to processing with large-capacity mixers.
- Vapor-permeable, preventing blistering (Breathable).
- Excellent adhesive properties.

TECHNICAL DATA

Solid Content By weight (mix)	> 80 %
Density (mix)	~ 1.7 – 1.8 gr/ml
Pot life (30°C)	Part A : B = 1 : 3
Bond strength to concrete (ASTM D 4541)	~ 1 N/mm ²
Elongation (ASTM D412)	~ 30 %
Tensile strength (ASTM D412)	~ 1 N/mm ²
Crack bridging (ASTM 836)	~ 1 mm
Water resistant	Excellent

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 : 3
Mix colour	Grey (Natural)
Finish	Matte / 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	1,5 – 2 kg/m ² (2x Coating)
Adhesion strength	≥ 1.0MPa

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**.

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III. MIXING

- **VX Guardian C Flex 30** 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 30** liquid component into the container and slowly add the **VX Guardian C Flex 30** 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 30** 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 Flex 30**

PACKAGE

VX Guardian C Flex 30 is packaged in 36 kg-set with :
Liquid : 9 kg/pail
Powder : 27 kg/zak.

STORAGE

VX Guardian C Flex 30 can be stored for up to 12 months if kept in a dry and cool place in intact and undamaged packaging.

HEALTH AND SAFETY

VX Guardian C Flex 30 contains cement, which has alkaline properties. Therefore, skin protection such as gloves should be used. Spills or drips of **VX Guardian C Flex 30** should be cleaned up immediately with water.