

VX Guardian Integral is an additional additive for concrete, which enhances concrete density by reducing water absorption. It also serves as a type B superplasticizer that aids in maximum compaction of fresh concrete. It improves plasticity, ensuring ease of workability, and enhances compressive strength. Suitable for use in waterproofing mass concrete, which is typically challenging when using waterproofing membrane materials such as slabs and basement walls, water tanks, underground tunnel channels, cable ducts, etc. It can also be used for outdoor screeds and mixes for vertical walls in residential and apartment buildings, etc.

ADVANTAGE

- Improves concrete workability.
- Does not accelerate or retard concrete setting.
- Enhances concrete density and quality.
- Non-toxic and suitable for use in drinking water tanks.
- Does not affect concrete reinforcement.
- Chloride-free.

PRODUCT SPECIFICATION

Type	Admixture waterproofing (superplasticizer)
Form	Liquid
Colour	Dark brown
Recommended Concrete Mix Design :	
Cement Content	355 kg/m ³
Water Cement Ratio	0.45
Initial Slump	8 ± 2 cm
Final Slump	16 ± 2 cm
Dosage (standard)	≥ 2 liter/m ³

TECHNICAL DATA

Density	1.17 gr/ml
Water Penetration	< 5 cm
Water Absorption	< 5 %
Chloride content	Nil

APPLICATION

MIXING

VX Guardian Integral is mixed into the concrete in the appropriate dosage, then the concrete is mixed again in a mixer equipped with VX Guardian Integral for 3 – 5 minutes.

PACKAGE

VX Guardian Integral is packaged in sizes of 20 liters/pail and 200 liters/drum.

STORAGE

VX Guardian Integral has a shelf life of at least 12 months, provided the packaging has not been opened and it is stored in a cool, dry place.

HEALTH AND SAFETY

VX Guardian Integral does not contain hazardous substances that require labeling. Skin exposure should be washed off with water. It is advisable to continue using skin protection such as gloves, considering that some individuals may be allergic to certain chemical substance