

VX Groutmaster 60 Premix is a special mortar (cement + sand) with added aggregates. This material is non-shrinkage, easy to flow, and possesses very high compressive strength.

VX Groutmaster 60 Premix is designed for filling fixed voids, such as under the base plates of critical machinery, holes in concrete structures, under bridge bearing plates, precast concrete panels, gaps beneath steel column bases, prestressed concrete beams, anchor bolts, and for repairing voids in vertical concrete structures such as columns or walls.

APPLICATION

- No shrinkage caused by cement and water, thus preventing cracking.
- No bleeding, ensuring water retention within the mix.
- No segregation, preventing sand from settling at the bottom of the mix.
- Easy to flow, allowing compaction without the need for vibrators.
- Possesses high compressive strength.
- Chloride-free, preventing rust on steel or reinforcement bars.

TECHNICAL DATA

Density dry wet	1.5 (± 0.1) gr/ml 2.1 (± 0.1) gr/ml
Bond strength to concrete (ASTM D 4541)	~ 1.5 N/mm ²
Compressive strength 1 day 7 days 28 days (ASTM C-109)	~ 250 kg/cm ² ~ 450 kg/cm ² ~ 600 kg/cm ²
Flexural strength (28 days) (ASTM C-348)	~ 10 N/mm ²
Expansion (ASTM C940-98a)	controlled positive expansion
Water permeability (DIN 1048)	≤ 3 mm

* Note: The above data is based on laboratory testing, where the temperature is maintained consistently at 24±2°C. Results in the field may vary due to the use of water influenced by local weather conditions and other factors that may prevent the perfect creation of test samples.

PRODUCT SPECIFICATION

Form	Powder with aggregate
Type	Grouting non shrink with aggregate
Mixing Ratio	Part A : B = 4 : 1 A: powder B : Aggregate
Colour	Grey (Natural)
Application thickness	30 mm - 120 mm
Water consumption	2.8 - 3.6 lt / zak
Drying time (30°C) Initial Setting Full Cure	6 - 8 hours 28 days

PACKAGE

VX Groutmaster 60 Premix is packaged in 25 kg plastic bags with Component A: 20 kg and Component B: 5 kg.

STORAGE

VX Groutmaster 60 Premix has a shelf life of at least 6 months, provided it is stored undamaged in a closed, dry, cool place and protected from direct sunlight exposure.

APPLICATION

I. SURFACE PREPARATION

- The base surface must be clean and free from all types of dirt, especially oil, grease or curing compound.
- Highly recommended to roughen the base surface by randomly chipping it with a chisel and hammer.
- The base surface should be moistened with water and the use of a bonding agent is highly recommended
- Pooling water should be dried before the work process begins using a compressor or vacuum pump.
- Molds or formwork must be made leak-proof.

II. MIXING

- VX Groutmaster 60 Premix is mixed in one container using a low-speed electric motor mixer equipped with a spiral stirrer. Large capacity concrete mixers can be used if large-volume mixing is required simultaneously.
- First, add approximately 3/4 of the required water into the container. The amount of water needed theoretically depends on the desired consistency and the temperature in the field.
- Slowly add VX Groutmaster 60 Premix powder to the container while continuing to run the mixer until all the ingredients are evenly mixed. Ensure no lumps are left, especially at the bottom of the container.
- Slowly add the remaining water until the desired consistency is achieved.
- Never add cement or sand.
- After the mixture is homogeneous, add the aggregate component, then mix again with a mixer until thoroughly combined.

III. APPLICATION

- VX Groutmaster 60 Premix can be placed by pouring or injection methods (using pressure).
- Placement should be continuous without interruption until completion and in one direction only. Avoid pouring too high, which can trap a lot of air.
- Ensure an adequate number of mixers to mix and prepare the material without interruption.
- The use of stirring rods or assisting wires is possible for complex applications.
- Ensure the entire area is well-filled.
- Wet Curing : Keeping the grout moist by covering it with damp cloths, plastic sheets, or continuously spraying it with water. or Using chemical curing agents that are applied to the surface of the grout to retain moisture.

IV. FINISHING

- The mold is opened and removed once the grout starts to harden.

HEALTH AND SAFETY

VX Groutmaster 60 Premix has a relatively high alkaline content, so the use of gloves is recommended during handling.