



WENJEM ENTERPRISES CORP.



MASTERCOAT
CEMENTITIOUS
NON-SHRINK GROUT
SELF FLOW

Mastercoat Grout Self Flow is a non-shrink self-leveling, pre-mixed cementitious grouting mortar. It is a pre-packed blend of selected cement graded silica sand and compatible admixture, requiring the addition of water to produce a high strength grout with excellent flow ability.

<u>TECHNICAL DATA</u>	
DEPTH	Min. Section Thickness 10 mm Max. Section Thickness 100 mm
COMPRESSIVE STRENGTH ASTM C 109	1 day 25 N/mm² 7 days 45 N/mm² 28 days 56 N/mm²
COVERAGE	0.0125 cu. m.
SETTING TIMES @ 25 deg C.	Initial Set 3 hrs Final Set 5 hrs
WATER DEMAND for 25 kgs bag	4.0 - 4.75 liters
WET DENSITY	2380 kg/cu. m.

MASTERCOAT CEMENTITIOUS NON-SHRINK GROUT SELF FLOW

RECOMMENDED FOR:

- Baseplates
- Machine Foundations
- Bridge Bearings
- Cavities
- Gaps & Recesses
- Tank Bases

SPECIAL PROPERTIES:

- High Early Strength
- Non-Shrink
- Excellent flow ability
- Non-Metallic
- Chloride and Iron Free

SURFACE PREPARATION:

- The concrete surface must be structurally sound, clean and free from loose concrete, dirt, oils, and other traces of chemical contaminants
- Absorbent substrates should be saturated thoroughly with water prior to application of Mastercoat Grout. Surplus water in anchor pockets should be removed.
- Acid etching or grinding maybe used to remove cement laitance.
- If possible use compressed air for removing laitance and unsound concrete.

FORMWORK:

The formwork should be constructed to be leak proof. This can be achieved by using foam rubber strip or mastic sealant beneath the constructed formwork and between joints.

MIXING:

A mechanical powered mixer and a mixing paddle attached into a slow speed drill is needed to achieved best results.

- Measure the required amount of water to the desired consistency and put it to a non-absorbent mixing container.
- Slowly add the **Mastercoat Grout** powder and continuous mixing should take place for 3 minutes or until uniform consistency is achieved.

Caution: Do not add more water after final mixing.

APPLICATION:

- Make sure that necessary formwork is firmly in place watertight .
- Pour the mixed grout after mixing.
- Ensure that air entrained into the grout is allowed to escape.
- When carrying out baseplate grouting, ensure sufficient head of pressure is maintained to keep mortar flow uninterrupted.

POT LIFE:

3 hours @ 25 deg.C. Curing time: 24 hours @ 25 deg.C.

COVERAGE:

25kg. of Mastercoat Grout yield 0.0125 cu.m.
or 80 bags for 1 cu.m.

SHELF LIFE:

12 months when stored in dry condition.

SAFETY:

Mastercoat Grout contains cement, as with any cementitious material, avoid prolonged skin contact.

