

### Dosage of MM-500 for Swimming Pool:

Use 300 ml of **MM-500** for every 50 kg of cement for all components of swimming pool: bottom slab, walls, and drains.

### Technical Service:

Recommended water cement ratio:

- A. Use 40% of water for washed or wet aggregates/(SSD Condition)
- B. Use 50% to 55% of water for dry aggregates.

### Packaging:

When using **MM-500**:

Mortar mixing machine – Dilute **MM-500** in water for the batch, mix with cement & aggregates. For proper inclusion, 24 revolutions recommended.

Ready Mix Truck – Add **MM-500** directly into the truck at site. For proper inclusion, 24 revolutions recommended.

### Water Proofing Cement Grout for Swimming Pool Joints:

To achieve monolithic bonding of blocks between new and old joints of concrete:

- A. Make cement grout by mixing 12.25 kgs of cement, 12.5 liters of water, then add 1 liter of **MM-500**.
- B. Pressure-wash the joint key thoroughly if needed.
- C. Thoroughly brush on **MM-500** grouting to the surface.
- D. Pour new concrete on and properly vibrate to achieve proper compaction

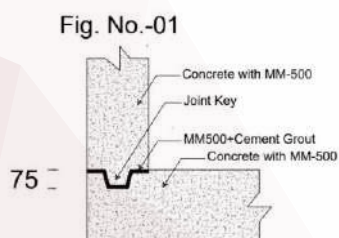
### Recommendations for Swimming Pool:

- A. To achieve leak proof for high performance concrete (HPC), it is suggested to use strong formwork. This will enable proper compaction as extra vibration can be applied.
- B. To achieve stronger bonding and leak proof the concrete, it is recommended to follow the construction joint drawing as per fig: 1, 2 & 3.
- C. Before using **MM-500** Cement Grout please thoroughly clean the surface with water pressure or with a steel brush.
- D. After using **MM-500** with the cement grout it is suggested to apply proper vibration to compact the concrete to get high performance concrete (HPC). Excessive vibration will not cause segregation; thus, it will not be required to use PVC water stopper at the joint of the swimming pool.

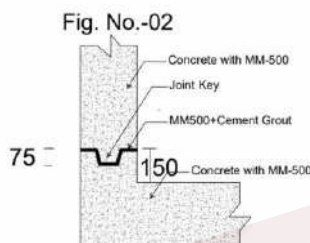
### Curing:

Curing influences the overall quality of the concrete structure; thus, proper curing techniques are important to prevent the concrete from shrinking, drying, and cracking especially at the surface. Other than standard procedures no other special curing methods are required. **MM-500** helps the concrete to hold the water for self-curing.

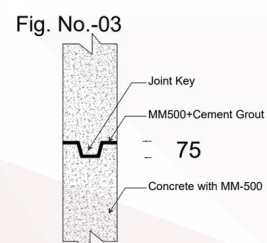
### Cement Grout Joint's Figure:



Swimming Pool Joint Slab to wall Direct System



Swimming Pool Joint Slab to wall 150 Key System



Swimming Pool Joint Wall to Wall

### Manufacturer's Note:

- A. Clean the surface with pressured water.
- B. Make cement grout with 1 liter of **MM-500**, 12.5 kg of cement and 12.5 liter of water. Area covered 4.65 sqm (50 sqft).
- C. Apply the **MM-500** grout on clean surface with a brush broom properly.
- D. Pour concrete and properly vibrate.
- E. It is not mandatory to use PVC water stopper at the joint of swimming pool.
- F. Installation to be complete in accordance with manufacturers specification and recommendations.
- G. Drawing not to scale.
- H. These drawings are for informational purposes only and may not be used for construction.
- I. All information contained herein was current at the time of development but must be reviewed, consulted and approved by the product manufacturer to be considered accurate.
- J. Contractor's note : For product and company information visit [www.multimixco.com](http://www.multimixco.com)