

# CEMTEC LMP

## A NON-CHLORIDE CONTENT LIQUID MORTAR PLASTICIZER

### DESCRIPTION:

**CEMTEC LMP** is a resin based entraining admixture. It improves workability and trowelling properties of sand / cement mortar mixes during application and increases plasticity of bricklaying and plastering mortars.

### FEATURES & ADVANTAGES

- Increase rate of bricklaying or rendering work.
- Improves weather resistance
- Mortar does not stiffen prematurely on the board but remains plastic.
- Mortar does not segregate or bleed
- Mortar is less prone to drying out shrinkage
- Increased adhesive strength.
- Upto 50% water reduction can be effected.
- Inexpensive to use
- Can be used in colored mortars.

### BASIC USES

- Render and plaster mixes
- Blockwork water mix
- Ready mix concretes
- Pumped concrete mixes.

### FUNCTION

**CEMTEC LMP** replacing lime in the mix, entrains microscopic air bubbles which makes the mortar easier to work and spread. These pockets of air also have the effect of interrupting the formation of capillary channels so that the passage of water through the mortar is minimized. The volume of these air bubbles is also sufficient to absorb the initial stresses set up by the alternate freezing and thawing of entrapped water.

### DIRECTIONS FOR USE

#### Mixing

**CEMTEC LMP** may be added directly to the sand / cement / water mix or where more convenient, may be premixed with the gauging water. Mechanical mixing is preferred, but thorough manual mixing gives desired results as well.

### Dosage

It is added at the rate of 140 - 280 ml. per 50 kg of cement. Test mixes should be made to determine the optimum dosage for the prevailing conditions.

### Over dosing

Over dosing will result in increased workability and air entrainment.

### TECHNICAL DATA

**Complies to British standard 4887 - 1973.**

### Composition

Blend of wood Resins with certain carriers:

**Percent solid : 7 - 8%**  
**Specific Gravity : 1.014**

### STORAGE

Minimum shelf life of 12 months provided the temperature range is within 2° C to 30° C.

COVERAGE	Contact CMCI Tech Dept
PACKAGING	20 ltr pail, 200 ltr drums & 1000 ltrs containers.
COLOR	Contact CMCI Tech Dept

## MIX DESIGN

Application	Normal Mix			Mix with CEMTEC LMP		
	Cement	Lime	Sand	Cement	Lime	Sand
Externally for high strength / low shrinkage sand-lime bricks	1	1	6	1	-	6
Low strength for light-weight block and high shrinkage sand-lime bricks	1	2	9	1	-	8
For high strength engineering bricks	1	1-4	2	1	-	3
General pointing of bricks and blocks	1	-	2	1	-	3
General pointing of bricks and blocks	1	1	6	1	-	5-6

### Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

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