

# CEMMORT 5000

## THICK BED MORTAR MIX

**CEMMORT 5000** is a cementitious product designed for use in concrete patch repair, plaster and in mortar beds with Cemmix Latex Additive. It is formulated to provide excellent durability as well as protection against ingress of water. **CEMMORT 5000** with Cemmix provides bed for ceramic tile and stone installation.

### PRIMARY APPLICATION

- Concrete patch repair.
- Floors, ramps, docks.
- Mortar bed for ceramic tiles.
- Pavements and in walkways.

### FEATURES / BENEFITS

- Provides a strong wear resistant patch.
- Resists penetration of water.
- Excellent bond to properly prepared sound concrete.
- Easy to use - pre-packed system.
- Suitable for both interior and outdoor use.

### PACKING / YIELD

**CEMMORT 5000** is packed in 25 kg. Bags. With 2.5 liters of **CEMMIX**, the packing yield is 0.013m<sup>2</sup> of mixed material. Up to 15 kg. of pea gravel may be added per 25 kg. Bag for filling deep patches.

### TECHNICAL INFORMATION

**CEMMORT 5000** when mixed with Cemmix has the following properties after curing:

#### **ASTM C109 (50MM CUBES)**

##### **Compressive Strength**

<b>1 day</b>	-	<b>18 MPa</b>
<b>3 days</b>	-	<b>25 MPa</b>
<b>7 days</b>	-	<b>30 MPa</b>
<b>28 days</b>	-	<b>36 MPa</b>

##### **Flexural Strength - ASTM C 78**

<b>28 days</b>	-	<b>8 MPa</b>
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##### **Unit Weight - ASTM C 138 2000 kg/m<sup>3</sup>**

### DIRECTIONS FOR USE

The concrete must be clean and rough. All oil, dirt, debris, paints and unsound concrete must be prepared mechanically using a scabber, brushhammer, shotblast or scarifier. Before laying mortar, a slurry of bond coat has to be broomed onto the prepared and the pre-dampened concrete. The **CEMMORT 5000** has to be applied before the bond coat has dried, Small quantities of **CEMMORT 5000** may be mixed with drill and jiffy mixer. Use a paddle type mortar mixer for large jobs. Add the Cemmix for the batch size and then add the dry product. Mix minimum of 3 minutes. The mixed product should be quickly transported to the bedding or repair area and placed quickly. For patching, spread with a trowel or square tipped shovel to a thickness that matches surround concrete. Finish by hand trowelling.

### PRECAUTIONS / LIMITATIONS

- Store in dry place above freezing.
- Keep powder off from skin and out of eyes.
- It is not suitable for abusive traffic.
- No heavy traffic until the product has cured.

#### QUALITY STATEMENT

CMCI manufacture 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

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.