

# KEMSEAL PLASTER MORTAR VC

## High Performance Cement-Base Water Proofing Cementitious Lining

### 1 .Description:

**KEMSEAL PLASTER MORTAR VC** is a vicaples cement-base, premixed mortar one component, and contains silica quartz filler, graded high purity sand and rheology adjusters. It's a chloride & iron – free, non-shrink homogeneous and impervious lining for both positive and negative.

### 2 .Scope:

**Plastering** – skimming of walls and ceilings to a smooth polished finish, ready for painting or papering.

**Rendering** – internal or external. Sand and cement is applied to exposed block work or brickwork. First a scratch coat, then a second coat is applied this coat is rubbed up to a smooth finish ready for painting.

**Plaster boarding** - plaster board is applied o a wall or a ceiling to achieve a level flat finish. It's then tapped and skimmed with plaster to a smooth flat finish.

**Dry-lining** – plasterboard is applied to brickwork or stud walls or metal frame work. It can be skimmed with plaster or tape and jointed to a finish ready for decorating.

**Screeding** – is the levelling of a floor surface using sand and cement screeds, self levelling screeds, to latex or rapid setting screeds.

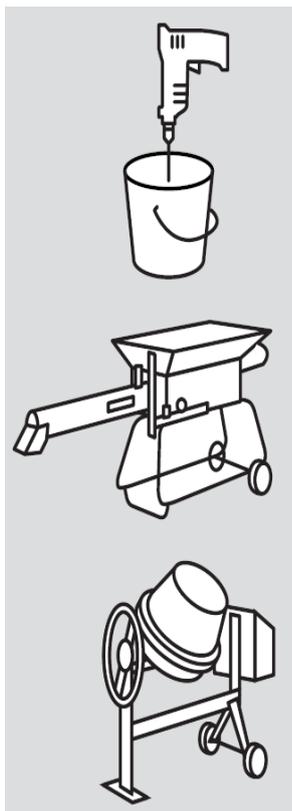
**Coving** – decorative plaster moulds around the ceilings and top of walls in a house. They come in a wide range of choices, put up with the highest standard of craftsmanship by our staff for a fantastic finish



Most vertical mixes are composed of a blend of cement, graded lightweight aggregates, polymers and admixtures. Some are also fiber-reinforced. They are mixed with a paddle or mortar mixer and then applied with a hand trowel, similar to plaster, or even with a shotcrete gun, depending on the size of the area to be resurfaced. Application thicknesses can range from 1/4 inch to 2 inches or more, depending on whether the overlay will be imprinted with a shallow or deep texture.

Bag of vertical concrete mix.

Because of their high polymer content, vertical mixes require no curing. Most products are also water resistant and unaffected by freeze-thaw conditions, permitting outdoor use in most climates. Usually the mixes come in two colors: gray or white. But many manufacturers also sell colorants that can be mixed in with their products to achieve nearly any hue desired.



### 3. Limitation:

- **KEMSEAL PLASTER MORTAR VC** can be hand mixed using an electric drill and bucket, in a wheelbarrow or with a cement mixer.

- **KEMSEAL PLASTER MORTAR VC** can be easily worked to any required or specified finish from bold high profiles to smooth sponge, or steel float textures. Workability is assisted by controlled setting times (2-6 hours depending on product and conditions).

- The substrate for **KEMSEAL PLASTER MORTAR VC** cement plaster shall be sound, free from dust, loose particles, release oils or other contaminants which may affect adhesion or bond strength.

- Preparation before application of **KEMSEAL PLASTER MORTAR VC** shall include:

- A clean surface by light brushing or waterblasting.
- Suitable sealer for high absorbing substrates such as AAC.

- Application of **KEMSEAL PLASTER MORTAR VC** may be by hand and then can be spread using a straight edge and trowels. With the use of a soft sponge and extra water, the surface can be worked to an even smooth finish as required.

#### **4. How to use:**

##### **4.1. Surface preparation:**

4.1.1. All surfaces must be sound, clean and free from dust, oil, grease and loose particles.

4.1.2. All concrete defects should be saturated with clean water, no running water is required and no bonding agent is required.

##### **4.2. Mixing:**

4.2.1. Each 25 kg. bag of the material needs 3.5-4 liters of potable water.

4.2.2. Add the powder gradually to water.

4.2.3. Mix with slow speed drill (300-500 rpm) to obtain homogeneous mix

##### **4.3. Application:**

4.3.1. Apply first layer with a trowel and press firmly to insure compaction & adhesion to the substrate with a thickness of 7 mm.

4.3.2. Apply the 2nd layer immediately, if time is elapsed, wet the first layer. The second layer thickness is 5 mm .

4.3.3. Trowel finished and cure after hardness with water for 24 hours.

4.3.4. Avoid fast setting due to the hot weather, direct sun light, or using hot water.



#### **5. Theoretical Coverage:**

- 24 kg /m<sup>2</sup>/ 12 mm thickness.
- Two layers are recommended.