

## **IM362 INSULATION MORTAR**

### **PRODUCT DESCRIPTION**

- High quality polymer modified cementitious lightweight heat insulation mortar.
- Posses multi-properties of insulation, sound deaden, non-flammability.
- Typical thickness is about 20 - 30mm per application layer and max. is 40mm.
- Complies GB/T20473-2006 Type II requirements.

### **TYPICAL USAGE**

- Suitable for internal and external wall insulation plastering.
- It is recommended to use with cementitious waterproofing slurry for protection.

### **FEATURES AND BENEFITS**

- Insulation
- Non-flammable
- Consistent quality
- Simple and easy to use
- Lightweight
- High productivity rate
- Efficient operation
- Environmental product

## TECHNICAL DATA

Product Characteristics	OPTIMIX IM362
Dried Density	300 - 400 kg/m <sup>3</sup>
Compressive Strength at 28 days	> 0.5 MPa
Linear Shrinkage	< 0.3 %
Thermal Conductivity	0.085 W/mK
Typical Mixing Water	95 - 100 %
Thickness per Coat	20 - 40 mm
Wet Density	600 kg/m <sup>3</sup>
Coverage	0.3 kg/mm/m <sup>2</sup>
Packaging	12.5 kg and 25 kg
Shelf Life	12 months

*Note: The above are typical laboratory test results at 28 days and can vary slightly depending on ambient and substrate conditions during application.*

## TESTING METHODS

Compressive and Flexural Strength	GB/T5486.2-2001
Dried Density	GB/T20473-2006 Appendix C
Thermal Conductivity	GB/T10297

*Note: The above were according to the in-house modification of the corresponding testing methods.*

## SURFACE PREPARATION

- Substrate must be clean, free from loose particles, oil, grease and other contaminants.
- It is recommended to pre-wet the substrate with potable water overnight or before application if the weather and/or surface are under a very dry condition.
- A layer of **OPTIMIX KC307 Key Coat** or spatter dash is recommended for better anchoring.

## MIXING AND APPLICATION

- Mix one bag of **OPTIMIX IM362 Insulation Mortar** dry powder with 95 - 100% potable water.
- Mechanical mixing with slow speed drill fitted with a suitable paddle is recommended.
- Mix the mixture for about 5 minutes or until a lump-free homogenous mix is achieved.
- Spread the mixture on the substrate to required thickness with a trowel.
- Allow to dry and set for about 2-3 days before subsequent finishing layer is applied.

## **CURING**

With the excellent water retention properties of the **OPTIMIX IM362 Insulation Mortar**, water curing is normally not necessary. Self-curing of the applied mortar is considered adequate. Water curing is only required under extremely hot conditions or when excessive rapid dry occurs.

## **HEALTH AND SAFETY**

**OPTIMIX IM362 Insulation Mortar** is alkaline in nature and can cause irritations to persons with sensitive skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective gloves and masks while handling the product. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. This product is non-toxic and is not flammable.

## **STORAGE**

- Store in dry conditions in the original unopened bags.
- Store out of direct sunlight, clear of ground on pallets protected from rainfall.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

**Important Note:** The information contained herein is, to the best of our knowledge, true and reliable and is supported by the present state of our knowledge. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives as the conditions of use and any labour involved are beyond our control.



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