

PIOREP MM200

Premix cement-based bedding mortar

DESCRIPTION

PIOREP MM200 is a pre-mixed and bagged blend of cements, aggregates and special polymers to give a high-quality cement-based bedding mortar with excellent workability and finishing characteristics. **PIOREP MM200** is easy to use, requiring only addition of clean water to give a consistent mix with an application thickness of 20 – 80 mm.

USAGES

- Final finish over structural concrete that can be finished to accurate levels
- Used prior to application of other finishes such as ceramic or marble tiles, parquet, etc.
- Used for internal and external application

ADVANTAGES

- Requires only addition of water on site at application time
- Non-oxidized, non-shrink, non-sag, chloride & nitrate free
- Excellent workability and finishing characteristics
- Minimizes chemical attack over concrete
- Extremely low permeability ensuring durability
- Non-toxic and does not contain any harmful ingredient
- Can be applied vertically and horizontally and overhead surfaces
- Excellent abrasion resistance
- Formulated for the Middle East climate

TECHNICAL DATA

PIOREP MM200	Typical values
Appearance	Grey
Compressive Strength	$\geq 5.2 \text{ N/mm}^2$
Flexural Strength	$\geq 1 \text{ N/mm}^2$
Bonding strength	$\geq 0.1 \text{ N/mm}^2$
Grain Size	$\leq 2 \text{ mm}$
Bulk density	1.4 kg/l
Wet Density	1.85 kg/l
Thickness Range	20 – 80mm
Pot Life @25°C	60 – 90 min
Setting Time (I-F)	3 – 4 hours
Air Content	$\leq 14\%$
Water retention	$\geq 75\%$
Mortar Class	Type N, Type M5

USAGE INSTRUCTIONS

1. Surface preparation

All substrates shall be sound, clean, free from dust, grease, oil and dirt, the concrete substrates shall be saturated with water prior to application.

2. Mixing

PIOREP MM200 shall be thoroughly mixed using mechanical mixing procedures, mechanical mixing using spiral paddle in a slow speed (400-500 rpm) heavy duty drill is recommended.

Put 8.5 – 10 liters of clean water -this amount is for full 50kg bag of **PIOREP MM200** in the mixing vessel and start mixing while adding the powder gradually and continue mixing till homogenous free from lumps mortar is obtained.

ENEBOND ACR should be added to the mixing water for special application to provide more physical and mechanical properties.

PIOREP MM200	
Water/ 50 kg bag	8.5 – 10 liters
Consumption per bag	1.85 m ² /bag
Yield	57 liters

3. Application

Pour the mixed **PIOREP MM200** onto the prepared surface. Spread out the tamp or compact using a plastic or wood float to provide a dense topping to a thickness of 20-80 mm.

Finish with a plastic float, wood float or steel trowel depending on the surface texture required.

If required, subsequent layers can be applied to first layer after 24 hours. The first layer should be scratched keyed and re-primed to assist with bonding.

4. Curing

PIOREP MM200 is a cement-based material, that should be cured properly by spraying water for 3 days.

Using **ENECURE WB** curing compound is recommended.

PACKAGING

PIOREP MM200 is supplied in 50 kg bags.

HEALTH & SAFETY

PIOREP MM200 is non-toxic and non-hazardous, if material comes in contact with skin; cleaning with water and soap is recommended.

For Ecology: Do not dispose directly to water or soil, re-use it if possible or mix with water and wait until it hardens then bury it in landfill in accordance with national regulation.

STORAGE & SHELF LIFE

PIOREP MM200 shall be stored in normal conditions away from extreme temperatures, and any source of moisture. Shelf – life is 12-months.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
concretedoctor@arkaz.com

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