

PIOREP MM200

Premix cement-based Masonry mortar

DESCRIPTION

PIOREP MM200 is a pre-mixed and bagged blend of cements, aggregates and special polymers that creates a masonry mortar material which is used as a laying mortar in masonry works. **PIOREP MM200** is applied onto internal or external applications for fair-faced blocks, volcanic lightweight block, bricks and other types of concrete masonry units with fine or rough texture, it provide long water retention, excellent bonding strength and superior workability.

USAGES

- Use Masonry Mortar internally or externally, in wet & dry conditions, onto block walls & rough surfaces.
- Use Masonry Mortar for cement & concrete blocks and panels.
- Use Masonry Mortar for filling walls and joints.

ADVANTAGES

- Pre-blended dry material that only requires the addition of potable water at site.
- Factory controlled ensuring high quality product with assured consistency.
- Designed for external and internal applications in humid and dry conditions.
- Easy to apply with superior workability and long water retention.
- Excellent resistance to harsh weather conditions providing excellent durability.
- Strong bonding and adhesion on a variety of masonry types.
- In accordance with international specifications.

TECHNICAL DATA

PIOREP MM200

Typical values

Appearance	Grey
Compressive Strength	≥ 12.4 N/mm ²
Flexural Strength	≥ 1.5 N/mm ²
Bonding strength	≥ 0.15 N/mm ²
Grain Size	≤ 2 mm
Bulk density	1.4 ± 0.1 kg/l
Wet Density	2.0 ± 0.1 kg/l
Setting Time (I-F)	3 – 4 hours
Air Content	≤ 12%
Water retention	≥ 75%
Mortar Class	Type S / Type M10 ASTM C270 / EN 998-2

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

- **Mixing Using Power Machine:** adjust flow meter to obtain a cohesive mix with appropriate consistency.

- **Mechanical & Manual Mixing:** Add 50 kg of PIOREP MM200 to 9.5 to 10.5 liters of clean potable water (always add the material to water, not water to the material). Mix with a low-speed electrical drill fitted with a suitable paddle until a uniform consistency is achieved (generally 3 to 5 minutes of mixing are required).

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Water/ 50 kg bag	9.5 – 10.5 liters
Yield / 50 kg bag	28.5 liters

3. Application

Apply a thick layer of PIOREP MM200 on the surface and joints where the blocks are to be mounted. Place the block onto the applied mortar ensuring good contact between the block and masonry mortar. Verify the leveling and rake any excess material.

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.

Conformity with Standards

- ASTM C270 • ASTM C144 • BS EN 1015-12
- ASTM C780 • BS EN 1015-3 • SASO ASTM C270/2014
- BS EN 998-2 • BS EN 1015-6
- ASTM C150 • BS EN 1015-11

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:
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