

# Technical Data Sheet



## **Ressi BLM 510**

Ready to use premix block laying mortar

**Ressi BLM 510** is a ready to use premixed highly polymer modified block laying mortar for laying masonry bricks, blocks, curbstones, pavers, etc.

### Advantages

- ✓ Ready to use
- ✓ Easy Application
- ✓ Can be left bare or covered
- ✓ Save space (No dumping of sand on site)
- ✓ Accurate Cement content (No dosage errors)
- ✓ Consistent strength (No batch errors)
- ✓ Durable
- ✓ Good adhesion with bricks and block
- ✓ Save time (No site mix)

### Surface preparation

Ensure that the blocks are clean, sound and free of loose materials before commencing laying. If a support is used for the laying of bricks or blocks, ensure that it is free from dust, oil, grease or any other material which may cause debonding. It is strongly recommended to avoid humidity arising applied on foundations by protecting the substrate by using a suitable waterproofing system recommended by Resstech.

### Product preparation

For proper mixing, it is important that water is premeasured in accordance with the amount of material used. The mortar powder should be added over the water to avoid the settlement of the material at the bottom of the mixing container. The mixing container should be uncontaminated, non corrosive and clean. Only potable water should be used for mixing. It is also recommended that material should be mechanically mixed with a mortar mixer or other mechanical mixing methods to obtain a consistent lump free mix.

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**RESSICHEM (Pvt.) LIMITED**

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[www.resstech.com](http://www.resstech.com)

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### Application

The correct alignment of the first row is of the utmost importance and must be ensured. Using an appropriate notched trowel, spread a thin layer of the mortar over the entire contact surface. Ensure that the blocks are correctly aligned. Remove all excess mortar prior to hardening. It is important to allow a suitable gap between the wall and the slab in order to avoid cracks forming.

### Technical Data

|                                      |   |
|--------------------------------------|---|
| Appearance                           | Grey Powder   |
| Composition                          | Contains Cement and selected aggregates along with additives to improve consistency, workability and durability |
| Maximum aggregates size              | 2.00 mm   |
| * Water Application                  | 20% $\pm$ 5%  |
| * Wet mix life                       | Tested as per BS EN 1015-9<br>Approximately < 45 minutes @20°C  |
| * Compressive Strength: <sup>1</sup> | Tested as per BS EN 1015-11<br>28 Days 7.00 N/mm <sup>2</sup>   |
| * Flexural Strength                  | Tested as per BS EN 1015-12<br>28 Days 1.00 N/mm <sup>2</sup>   |
| * Approximate Yield/Coverage         | 0.65 m <sup>3</sup> /T  |

\* Typical results under laboratory conditions

<sup>1</sup> These results comply with BS EN 998-2 Class (M5)

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### **Curing**

Maximum curing for 72 hours where hot climatic conditions prevail.

### **Shelf life**

Expiration of **Ressi BLM 510** is at 6 months after production date under dry and sheltered conditions.

### **Packaging**

**Ressi BLM 510** is available in 50 KG bags.

### **Health & Safety**

**Ressi BLM 510** is regarded as non hazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application.

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