

BUMA-MOTA®

# Sc 100

Pre-bagged screed mortar grade 10 MPa

**Economical**

**Ease to use**

**No corrosive ingredients**

**No dissolved salts**



## PRODUCT DESCRIPTION

**Sc 100** is a factory pre-bagged of carefully selected raw materials: Portland cement, graded aggregates and synthetic polymer powder. **Sc 100** was designed for mix with water or multipurpose latex **BuMaLatex** to produce a latex Portland cement mortar that has exceptional flexural and bonding strength than site mix mortar

## USES

For interior and exterior use for preparing conventional jointing, rendering, screeding and repairs

## SUITABLE SUBSTRATES

- Concrete
- Pressed concrete block
- Burnt clay brick

## PACKAGING

27 kg/bag, 50 kg/bag (upon request)

## COVERAGE

0.7m<sup>2</sup> per 20mm thick when mixed with water or multipurpose latex **BuMaLatex**

## SHELF LIFE

Factory sealed containers of this product are guaranteed to be of first quality for six (6) months\* if stored off the ground in a dry area.

\* High humidity will reduce the shelf life of bagged product.

## LIMITATIONS

- DO NOT add cement or sand to **Sc 100**
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water
- DO NOT take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas
- Reinforced mortar layer by wire mesh or alkalis resistant mesh **BuMaMesh 70/150** if thickness more than 3cm.

## INSTALLATION

### Concrete substrate preparation

- Concrete surfaces should be structurally sound, clean and free from all dirt, oil, grease, adhesives, paint, sealers or curing compounds
- Repair cracks present in the concrete substrate with **BUMA-POXY Bond 81** by injection method
- Concrete surface must be mechanically roughened prior to application. All substrates must have minimum ICRI CSP 2 to 3 (Grinding, high pressure water-jet blasting, light sandblasting, scarification... Bonding strength of surface must be at least 1.5MPa according to ASTM C1583

### Pressed concrete block substrate preparation

- Apply a slurry bond coat before do plastering (use **BuMaPrimer SP** or **BuMaLatex** mix with cement)
- Wire mesh or alkalis resistant mesh **BuMaMesh 70/150** should be used in between layers of mortar if thickness more than 10mm

### Mixing

Mix a 27kg bag of **Sc 100** to 3.2L – 3.5L of water yielding approximately 0.7 m<sup>2</sup> at 20 mm thickness. Mixing ratio may vary depend on way of finishing

### Application

- Apply plaster to substrate, levelling and finishing with a wood trowel or spatula. A typical 10mm coat will dry out between 02 to 03 hours depending on ambient temperature. When applying in multiple layers, ensure that the previous coat is reasonably dry before placing the next coat
- Use suitable spray machine for application. Please check before use

### Curing

Finished surface should be cured by water spray at least 7 days from the finished date

### Cleaning

- Due to high adhesion strength of this product (even on metals), tools should be washed before mixture becomes harden
- Once mixture setting, cleaning can only be carried out by mechanical method

## SAFETY PRECAUTIONS

- In case of contact with the eyes, rinse with running water (10-15min)
- Wear protective gloves, clothing and eyes and face protection.

## DISCLAIMER

- Technical details and recommendations contained in this product datasheet correspond to the best of our knowledge and experiences at the time of printing
- These detail offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products for their requests
- Technical details and recommendations can be changed by site condition and workmanship of applicators.
- As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program
- The newest technical data sheet will be supplied upon user request

**TECHNICAL SERVICES/ AVAILABILITY**

Information is available by calling

**BUMATECH CO., LTD**

**Office:** 154/1/5 Cong Lo, Ward 15, Tan Binh District, Ho Chi Minh City

**Factory:** 820 Chanh Hamlet, Duc Lap Ha Ward, Duc Hoa District, Long An Province

Technical : 028. 3910 0814

Sale : 028. 3868 3803

Email : [info@bumatech.com.vn](mailto:info@bumatech.com.vn)

Website : [www.bumatech.com.vn](http://www.bumatech.com.vn)

**PRODUCT PERFORMANCE PROPERTIES**

Test	Test Method	Specification	Result
Flow	TCVN 4314:2003 TCVN 3121-3:2003	175 – 205mm	Meet requirements
Compressive strength at: - 28 days	TCVN 4314:2003 TCVN 3121-11:2003	≥ 10,0 MPa	
Ion chloride content	ASTM C1384 ASTM C1403	< 0,1%	

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions

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