TECHNICAL DATA SHEET

# SUPER RUSH GP

## General Purpose Cementitious Key Coat

### Description

**SUPER RUSH GP** is a polymer modified cementitious key coat with application of 2-3mm to provide high bonding for subsequent plaster layers. It is a ready to use mix that consisting of Portland cement, high strength synthetic binder, graded aggregates and chemical additives to formulate a high bond strength layer for application on blocks, bricks, smooth concrete walls and ceilings (not contain micro silica or GGBS) to work as a rough scratch coat before applying the cement plaster.

### Features & Benefits

- Enhance the adhesion and prevent hollow and peel off of plaster/ renders.
- Ready to use just require mixing with water
- Easy to apply and environment friendly
- Contains no chloride or sulphates additives
- For exterior and interior use

### Uses

- Provide rough key coat before applying plaster/ renders.
- Used on blocks, bricks, general cementitious substrates, smooth concrete (contains no Micro-silica or GGBS)
- For concrete ceilings without the need to hack the substrate.

### Technical Properties

| | |
|---|---|
| Appearance | Granulated cement mix |
| Dry Density | 1,850 Kg/m$^3$ approx. |
| Wet Density | 2,000 Kg/m$^3$ approx. |
| Compressive strength | 23 N/mm$^2$ @ 28 days |
| Flexural Strength | 4.5 N/mm$^2$ @ 28 days |
| Chloride content | None |
| Adhesion Strength | ≥1.0 N/mm$^2$ @ 28 days |
| Pot Life | 45 min @ 25 $^o$C |

All values are subject to 5-10% tolerance

### Standards Compliance:

- ASTM C150, C387, C580
- ASTM C926, C897
- BS 1015, 4551, 5262, 5492

### Application Procedures

#### Surface preparation:

Concrete surface must be free from dust, loosely adhered material, plaster and cement droppings, grease, oil, paints etc. The surface should be dampened down with water prior to the application of **SUPER RUSH GP.**

All curing compound films and shuttering oil should be removed to ensure good adhesion for the key coat.

### Mixing Instructions:

To prepare the mixture, pour 10.5- 11 liters of clean water into container and add slowly the content of **SUPER RUSH GP** (50 Kg bag). Mix using spiral paddle in slow speed heavy duty drill for 3-5 minutes till a homogeneous lump free consistency mix is achieved. Always add powder to water and not the other way around.

Allow product to set for approximately 3-5 minutes then lightly re-stir before use.

### Application Instructions:

Apply **SUPER RUSH GP** using suitable spraying unit or manually with Tyrolean machine. Spray an entire prepared area and allow sometime for the applied rush coat to stiffen before doubling back. **SUPER RUSH GP** should be applied in a total thickness of 2-3mm, ensure that **SUPER RUSH GP** covers the entire surface area. A rough texture is to be obtained to provide a mechanical key for subsequent coat of plaster.

The applied layer should be water cured for minimum 2 days before applying the plaster.

TECHNICAL DATA SHEET

## Yield/ Coverage

A 50kg bag of **SUPER RUSH GP** will cover up to 20 $m^2$ at coat thickness of 2mm.

## Packaging

**SUPER RUSH GP** is available in 50kg bag.

## Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

## Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

## Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

PRODUCT CONFORMITY
AL SA'FAT - GREEN BUILDING
Certificate No. CL21020772

**SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.**

**REV 03-3007**

**SALES OFFICE** : Jebel Ali, Industrial 1
**FACTORY** : RAK, Jazerat Al Hamra

Tel.+971 4 880 2131
Tel. +971 7 2210066
**www.sbi-me.com , info@sbi-me.com**