

# BLUSKY™POWER PLAST

## Ready to use, polymer Modified, fiber reinforced, ready Mix Plaster

### Description

**BLUSKY™POWER PLAST** is a cement based plastering material composed of hydraulic binders, natural sand, selected graded aggregates, special fibers, and special additives. It is supplied as a dry powder in bags/bulk ready to use on site, which requires only the addition of clean water to produce cohesive mortar. **BLUSKY™POWER PLAST** is specially designed for application by spray machine and it can be used manually if required, and contains special shrinkage control additive and provides good adhesion with uniform color surface

**BLUSKY™POWER PLAST** can be applied at thicknesses ranging from 10mm to 25mm.

### Indicative Characteristics

Appearance	Grey Powder
Maximum Aggregate Size, mm	Up to 2.5
Wet Density, Kg/Liter	1.6 ± 0.1
Application Thickness, mm	10 to 25
Pot Life, minutes, at @27°C	60 to 90
Final Setting Time, hours, @27°C	4 - 5
Compressive Strength, N/mm <sup>2</sup> , ASTM C109, 28 days	> 16
Flexural Strength, N/mm <sup>2</sup> ASTM C348, 28 days	> 3.5
Bond Strength, N/mm <sup>2</sup> EN 1015 – 12, 28 days	> 0.85

### Advantages

- Fast mixing application.
- Contains special additive that reduces friction and prolongs lifespan of equipment.
- Factory controlled pre-blend ensures consistent high quality.
- Requires only addition of water on-site at the time of usage.
- Uniform color/mass. Improved workability & curing.
- Easy application with uniform work flow enables high productivity & superior finishing,
- Internal & external applications.
- Strong adhesion on variety of substrates.
- Shrinkages control reduces surface cracks.
- Suitable for humid & dry conditions.

### Criteria

**BLUSKY™POWER PLAST** is designed to be used at thicknesses between 10 and 25 mm in a single application. The product can be applied on block walls without the need to use a scratch coat as long as the substrate is properly neutralized prior to application.

### Method of Application

#### Surface Preparation

Substrate should be sound, clean, free from loose material, grease, laitence, dirt curing compound, or any other substance that might impair the quality of bond with the substrate.

Prior to **BLUSKY™POWER PLAST** Application, damp the entire surfaces with clean potable water. The substrate should be neutralized surface at the time of **BLUSKY™POWER PLAST** application.

#### Mixing

Add to the mixing container 6.5 - 7 liters of water for each 40 Kg bag of **BLUSKY™POWER PLAST**. Add the powder to the water and mix with a mechanical plaster mixer / low speed electric drill fitted with a suitable paddle for 3-4 minutes or manually until a uniform, lump-free consistency is achieved.

For application using PFT plastering machine, the water flow rate is 450- 550 lit/hr depending on the status of the rubber pump. Mixed material should be used within 90 min.

Do not add water to the mix once the mixed mortar start to harden.

#### Application

**BLUSKY™POWER PLAST** can be applied in a single or multiple layers on rough surfaces. On smooth surfaces it should be applied subsequent to the application of a spatter- dash coat. Rod or level to a uniform thickness when the plaster starts to set then follow smoothing the material to the desired appearance.

For multiple layers follow the practice in ASTM C926, 10 - 15 mm/layer with a rough finish, with curing for two days /layer prior application the second one, the final layer to be finished as desired. After the surface appears stiff but still moist, follow the smoothing the material to achieve a desired appearance.

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users Consult the latest update of the technical data sheet on our website [www.bluskyscpl.com](http://www.bluskyscpl.com)

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### Curing

**BLUSKY™ POWER PLAST** is best cured by spraying water on its surface every 8-12 hrs for a minimum of 3 days. During hot & dry conditions allow curing for minimum of 5 days. It will help to obtain high mechanical strengths and minimize the risk of surface cracks.

### Coverage

Under normal conditions, the coverage of **BLUSKY™ POWER PLAST** for a 40 kg Bag is:

Plaster Thickness	Coverage Area (Sq. Ft.)
6 to 8 mm	30 to 40
10 to 12 mm	22 to 25
15 to 17 mm	15 to 20

### Shelf Life & Storage

6(Six) months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C

### Packing

40 Kg Bags.

### Precautions

Make sure the substrate is suitable for the application of **BLUSKY™ POWER PLAST**, in case of doubt, try on sample area to assess its suitability.

Do not apply the product under direct rain, extreme wind, and at temperatures below +5°C or above +45°C.

Tools should be cleaned with water before the mortar hardens. After the hardening its residuals can be removed mechanically.

### Health & Safety

- **BLUSKY™ POWER PLAST** is highly alkaline therefore avoid direct contact with eyes or skin.
- It is recommended to use protective gloves and goggles during application.
- Any skin contact should be washed with soap and water.
- In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.
- **BLUSKY™ POWER PLAST** is non-flammable.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on [www.bluskyscpl.com](http://www.bluskyscpl.com)

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