

For  
**Internal &  
External  
Plastering**



# SILICO<sup>®</sup> PLAST

Polymerised Drymix Plaster

**SILICO Plast** is well formulated factory made ready to use Polymerized Drymix Plaster which can be used for External Plastering, Internal Plastering, Ceiling Plastering and Waterproofing work. It is the result of extensive product development through in-house R & D department. **SILICO Plast** meets the requirements of GreenPro Ecolabel and qualifies as Green Product.

## BENEFITS



Addition of Lime ensure  
Longevity and Durability



Addition of Fibres act as Micro-  
reinforcement to control cracks



Better Pullout Bond Strength



Ease of Working



Ensure saving of time and labour



Makes Material  
Reconciliation Easier

## SPECIFICATIONS

( SPRAY PLASTER )

Appearance and Color	Free Flowing Granular Grey Powder
Binder	Ordinary Portland Cement 53 with Pozzolanic Materials
River Sand	Processed Fine Aggregates (Purified, Graded And Proportioned River Sand)
Maximum Aggregate Size	3.00 mm
Mixture Proportion	31% BINDER
Water Demand	17% TO 18% per bag of 40 kg*
Pot Life	90 mins to 120 mins
Wet Density	2100 - 2200 kg/ cum
Plaster Thickness	10 -12 mm thick single layer for internal plaster and 20-25 mm thick in two layers for external plaster
Practical Consumption	For an average thickness of 12 mm plaster, one 40 kg bag of <b>SILICO Plast</b> can give coverage of 20-22 sq.ft. for AAC block and R.C.C. wall. *This may vary from site to site and from applicator to applicator
Compressive Strength (As per ASTM C 109)	18 Mpa - 16Mpa @ 28 days
Flexural Strength (Mpa) (As per ASTM C348)	6 - 7 Mpa @ 28 days
Pull out Bond Strength (As per ASTM D4541)	0.5 Mpa - 0.7 Mpa
Drying Shrinkage % (As per ASTM D4541)	0.054 (In 35 days)
Packing	40 kg per bag

\* Water requirement may vary as per site condition

## FEATURES

1:3 Rich binder proportion with controlled strength

Factory blended uniform drymix



User friendly only addition of water at site

Minimizes wastages due to lesser rebound loss

## SILICO Plast INGREDIENTS

Proportionate quantities of OPC, Classified Fly Ash, Graded River Natural Sand, Hydrated Lime, PP Fibers, Enhancing Proprietary Additives ensures better strength and durability parameters



## METHOD OF APPLICATION

- Foreign materials/particles, that may affect adhesion, must be removed. For RCC substrate, the surface should be thoroughly cleaned by wire brush so that mould oil, grease, dust, dirt etc. are completely removed. Then the surface should be cleaned/washed with water. A suitable bonding coat is to be applied followed by a layer of chaat (key) coat made up of **SILICO Plast**, for proper adhesion to Concrete. It is important to use Chicken mesh/PRM (Plaster Reinforcement Mesh), at the junction of concrete surfaces and masonry walls. This Chicken mesh should be fixed in such a way that 50% of its width covers the concrete surface and balance 50% of its width covers the masonry wall and the junction is exactly at the centre of the chicken mesh. The initial Plastered Coat should be such that the Chicken mesh/PRM is completely embedded in the plaster.
- For surface/substrate made of brick/block masonry walls, the surface should be well saturated/wet with fresh water, prior to application of plaster. All the masonry joints should be properly filled and raked. The substrate on which the **SILICO Plast** is to be applied should be in touch dry condition.

Take 6 lts to 6.5 lts. of potable water for one full bag of 40kg **SILICO Plast** powder. Pour 3/4 th quantity of water in a mixing tray. Add half quantity of **SILICO Plast** and start mixing. Add the remaining quantity of **SILICO Plast** quickly and again start mixing thoroughly until a smooth, creamy, lump free, homogeneous and cohesive consistency mixture of **SILICO Plast** is achieved. For proper activation of additives/polymers in **SILICO Plast**, allow the mixture to rest without disturbing for 2 minutes. If necessary mix it up with addition of little extra quantity of water to achieve required consistency.

**SILICO Plast** should be applied within 60 minutes to 90 minutes of its preparation. Ensure that the thickness of single coat/ layer does not exceed 13mm to 15mm per day. For thicknesses of more than 15 mm, combing of the previous layer of **SILICO Plast** is essential for better bonding of next layer of **SILICO Plast**.

Do not expose **SILICO Plast** bags to direct sunlight, rain/ moisture and open air while in storage or at stage.

## CURING

After 16 to 18 hours of natural air curing of the surface plastered with **SILICO Plast**, the finished plastered surface should be water cured for minimum of 6 days to 7 days by regularly mist spraying with water 3 times to 4 times a day

## SHELF LIFE

3 Months, if kept in cool, dry condition in unopened original packing

## SERVICE ASSURANCE

We provide On-site Technical support, wherever required. In order to ensure On-Time Delivery, we have our own transport as well

## OUR INFRASTRUCTURE



**SILICO Plast** is manufactured by M/s Precise Conchem Pvt. Ltd., at their plant located at GIDC Panoli, Bharuch District of Gujarat in an automated process according to formulations based on various products studies and research undertaken. The plant is one of the most modern plants in India, in which all the critical manufacturing processes and operations are completely controlled by P.L.C SYSTEMS (Programmed Logic Controller). The plant has the capacity to produce 25,000 bags @ 40 kg per bag of Polymerized Drymix Mortar/Plaster per day. The company assures, seamless supply of 100% consistent high quality mortars and plasters at all point of times, round the year.

### WARRANTY:-

The Products supplied by the Company are warranted to comply with the Product Specifications mentioned in the Product Brochure, provided they are applied and used in conformances with the processes and procedures described in the Brochure and as per the Standard Civil Engineering Practices.

In the unlikely event that the Products are found to be not in compliance with the mentioned specifications, the Company undertakes to replace the Products that are specifically determined to be non-compliant. Any suspected defects or non-compliance of the Products must be reported to the Company in writing within 72 hours of being detected or within 45 days of the supply of the Products, whichever is earlier. The Company shall have the right to inspect the area where the suspected defects are detected and in case any such suspected defect is determined to be caused specifically due to a deficiency in the Products supplied by the Company, the Company undertakes to provide replacement only for the specific area where the defective Product was applied, and not for the whole room, floor, building, or project where the Company's Products may have been used.

Since the Company does not have control over the installation or application or end use of the Products, the Warranty shall not cover any defects that may be caused due to defective or faulty or unskilled workmanship, application, curing, or treatment of the Company's Products. The Warranty is limited only to replacement of the Products in question and does not cover any incidental and consequential costs or damages including, but not limited to, the costs of removal and reapplication of the Products, delays, loss of profits, or any other liabilities that the purchaser may incur towards any third parties.

The above Warranty is the complete set of Warranties offered by the Company on its Products and overrides any other Warranties that may be implied or expressed in any other Product Literature or that may erroneously be inferred by the purchaser through interactions with the Company's representatives or with any consultants, architects, etc.

The Company may, in the interests of customer service, relax the above terms of Warranty. Any such relaxation shall be at the sole discretion of the Company and shall not be taken to be a precedent for the future. Such relaxation can only be authorized in writing by the CEO / Directors of the Company and no Company representative shall have any rights to relax the terms of the Warranty without explicit authorization in writing from the CEO / Directors.

### DISCLAIMER:-

All recommendations, suggestions, statements and technical data provided in this Leaflet are based on the best current knowledge available and are given for illustrative and informative purposes only and the Company does not bear without any responsibility for any loss or damages that may be caused by the use / misuse of such data.

It is assumed that all Standard Civil Engineering Practices shall be adopted for the use and application of the Company's Products and all information provided in this Leaflet is based on the above assumption. The Company shall not be responsible for any loss or damages that may be caused by a deviation from the Standard Civil Engineering Practices or by any use or application of the Company's products not in consonance with the information provided in this Leaflet.

The Company supplies products as per the Specifications provided in this Leaflet, and all the information in this Leaflet is for general guidance of the purchasers only. It is not possible, in this Leaflet, to provide information with respect to all potential uses and applications of the Company's Products and for the various site conditions where the Products may be used.

Therefore, the Company makes no claims herein as to the particular suitability or fitness of the Products for specific applications or purposes. The Company may be contacted directly, if any additional information is required for any specific use or application of its Products, prior to the purchase and use of the Company's Products by the purchaser.

The Company is continuously striving to improve and develop its products to better meet the industry requirements and to provide superior performance. Therefore the Company reserved the right to modify or improve the Products' specifications or the information in this Leaflet at any time, without notice. The latest Products' specifications and information can be obtained by directly contacting the Company.

The Company, as used above, shall refer exclusively to M/s Precise Conchem Private Limited as represented by its Board of Directors, and any communication directed to the Company may be preferred to the contact details of the Company, as provided in this Leaflet.

### CERTIFIED BY



**PRECISE**  
CONCHEM PVT. LTD.  
The Mark of Excellence  
An ISO 9001 - 2015 Certified Company

MANUFACTURERS OF POLYMERISED SPECIAL DRYMIX MORTARS AND PLASTERS

Internal & External Plasters | Light Weight Block Jointing Mortars | RCC Repair Mortars |  
Red Bricks Masonary Mortars | Micro Concrete | All Types of Grouts | All Types of Tile Adhesives

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