

Polyglaze®

PZ PREMIX PLASTER

READY-MIX CEMENTITIOUS PLASTER FOR WALLS AND CEILINGS

PRODUCT DESCRIPTION

Polyglaze PZ Premix Plaster is a strong, durable, pre-mixed powder suitable for plastering over all types of old or new conventional clay bricks, fly ash bricks / blocks / Autoclaved Aerated Concrete blocks (AAC), concrete surfaces and stone walls. Being premixed with performance enhancing additives it is superior to conventional sand-cement plaster. It gives excellent adhesive strength, durability and enhances the life of subsequent product application

AREAS OF APPLICATION

- ◆ Under coating and plastering over existing concrete and brick/block walls
- ◆ Use as a levelling plaster for correction of surface undulation in bare concrete blocks and other cementitious substrates
- ◆ Basic levelling of concrete, light weight blocks and bricks
- ◆ Filling holes and irregularities, levelling walls and ceilings
- ◆ Create a leveled surface from uneven masonry or concrete walls

ADVANTAGES

- ◆ Preparation is very simple- just add water
- ◆ Lighter than traditional cement- sand site mix mortar with excellent workability
- ◆ Minimizes cracking and shrinkage
- ◆ Less permeability: Prevents seepage of water, enhances life of building
- ◆ Fungus resistant
- ◆ High bonding strength for long term durability
- ◆ Ready to use and easy to apply - saves both manpower and time
- ◆ Improved and economical finishing performance – low putty, primer and paint consumption
- ◆ Excellent adhesion with non-sagging property and minimal rebound losses

STANDARDS

- ◆ ASTM C 109 / IS 4031

APPLICATION METHODOLOGY

Surface Preparation

- ◆ Remove dirt, soil, and roof runoff stains from the surface
- ◆ Use a garden hose to loosen dirt. Start at the top and wash the dirt down the wall
- ◆ Proper hacking is to be done prior to application on concrete surfaces
- ◆ Pre-wet the surface and bring it to SSD condition before application

Mixing :

- ◆ Take approximately 14 - 16% clean water by weight in a container gradually add Polyglaze PZ Premix Plaster, into the water by stirring continuously
- ◆ Mixing can be done manually or by using a slow speed electric mixer
- ◆ Mix until a homogenous, lump free paste is obtained
- ◆ Protect the paste from heat and use within 30 minutes of preparation



Application

- ◆ Apply the mix to the surface using a steel trowel in a smooth, even motion, working from the base upward to reduce wastage
- ◆ Follow with a second levelling coat if required
- ◆ Once the surface is uniform, level it using a wooden / fibre / steel / plastic float to produce a smooth, even surface

Cleaning

- ◆ Thoroughly clean the tools with water immediately after use

PACKAGING

- ◆ Polyglaze PZ Premix Plaster is available in 40 kg bags

STORAGE & SHELF LIFE

- ◆ Store in a dry place away from moisture and sunlight
- ◆ Best before 12 months from the manufacturing date in original sealed condition

PRECAUTIONS & LIMITATIONS

- ◆ Under normal climatic conditions, Polyglaze PZ Premix Plaster requires curing 2-3 times daily for 3-4 days after 24 hours of application
- ◆ Do not apply directly on gypsum panels
- ◆ Do not use in damp areas
- ◆ Do not add water to make it workable again; always prepare a fresh mixture
- ◆ Avoid high-speed mixing when using electric mixing equipment

TECHNICAL DATA SHEET

PHYSICAL PROPERTIES

| | |
|------------------------------|----------------------------|
| Physical Appearance | Dry Powder |
| Colour | Grey |
| Bulk Density | 1.59 g/cc |
| Water Mixing Ratio | Approx. 14 - 16% by weight |
| Applicable Temperature Range | 5° C to 40° C |
| Pot Life | Approx. 60 - 120 min. |
| Curing | 3 - 4 days |

PERFORMANCE PROPERTIES

| PROPERTIES | STANDARD | PZ PREMIX PLASTER |
|--------------------------------|--------------------|------------------------|
| Compressive Strength (28 Days) | ASTM C 109 | > 17 N/mm ² |
| Drying Shrinkage | ASTM C 531 / C 157 | < 0.05 |

COVERAGE

- ◆ 0.16 - 0.23 Kg / sqft. / mm or 17 - 25 sft. at 10mm thickness per 40 Kg bag
- ◆ Coverage will vary depending on the surface level, application method and bed thickness

HEALTH & SAFETY

- ◆ Use a respiratory mask and protective gloves during application.
- ◆ Clean hands with soap and water after application.
- ◆ Avoid contact with skin / eyes. In case of unlikely contact, rinse eyes immediately with plenty of clean water and cleanse skin with soap and lukewarm water. Seek medical advice if irritation occurs / persists.
- ◆ In case of unlikely swallowing, seek medical attention immediately.

Disclaimer:

The information in this TDS is for general guidance only. Specific advice for site conditions is available upon request. Details provided by the company are in good faith, when product is properly stored, handled, and applied under normal conditions. The site conditions, material compatibility, and workmanship are beyond our control, no warranties expressed or implied are given. The company accepts no liability for unsatisfactory results or consequential damages arising from product use.



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