

PRO PLASTER-H ECO

BRAND/PRODUCT NAME

PRO PLASTER-H ECO

MANUFACTURER

PROTEC GREEN PTE LTD

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PRODUCT DESCRIPTION

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PRO PLASTER-H ECO is an environmentally friendly premixed plaster comprising of Portland Cement, graded sand, plasticizing materials together with additives that can enhance one or more properties such as setting time, workability, water retention, adhesion strength and durability. These components are proportioned at our plant under strict controlled conditions to ensure uniformity of performance to meet ASTM C270.

PRO PLASTER-H ECO is formulated to be used as wall plastering/rendering material. Suitable substrates are concrete, hollow block, red brick, AAC/ALC blocks and other stone masonry construction walls etc. It can also be used in applications that require mortar with high bond strength.

ADVANTAGES

- Factory blended pre-packed ensures high quality product
- Easy mixing and application
- Excellent adhesion strength
- Weather resistant and durable
- Economical – saves time, labour and money
- High performance

USES

PRO PLASTER-H ECO is designed to be use as a plastering/rendering material for concrete, new/old brick and masonry construction walls. It can also be use as a thin and medium bedding adhesive for installation of red bricks, hollow bricks and other stone masonry. **PRO PLASTER-H ECO** is suitable for wet and dry areas either internal or external.

INSTALLATION

Surface Preparation

Surfaces receiving **PRO PLASTER-H ECO** must be clean and free of dust, oil and all impurities/contaminants that might inhibit bonding. Good construction practices like washing of substrate a day before plastering is highly encouraged. Sponge-damp dry concrete surfaces before application.

Mixing

Place approximately 5 to 6 litres of clean potable water in a clean mixing pail and gradually add one bag of 40kg **PRO PLASTER-H ECO**. Mix with hand held mechanical mixer for approximately 3-5 minutes to a homogenous lump-free consistency. Use rotating drum mixer with hollow-out fins for large quantity mixing. Always gauge the correct water/ powder ratio before mixing.

Application

Apply **PRO PLASTER-H ECO** mortar onto wall with a steel trowel using light pressure to ensure good contact with substrate. Base coat shall not exceed 12mm thick. Roughen or scratch base coat mortar surface while still fresh with notch trowel. When base coat has initial set, apply subsequent coat, each coat shall not exceed 15mm thick till required thickness is achieved. Float wall with wooden/aluminium straight edge to a plumb and true surface. Using steel trowel, lightly skim the surface of **PRO PLASTER-H ECO** mortar to give a smooth finishing.

Re-working of **PRO PLASTER-H ECO** mixed mortar with additional water will down-grade the performance of the product.

PACKAGING

PRO PLASTER-H ECO comes in 40kg bag.

Pot life: 60mins

TECHNICAL DATA

Performance Properties:

Test/Test Method	Results
Tensile Adhesion Strength BS EN 1015-12 : 2000	≥ 0.75 N/mm ²
Compressive Strength BS EN 1015-11 : 1999	12-20 N/mm ²
Linear Shrinkage ASTM C531 : 2000 (2012)	≤ 0.10%
Consistency Retentivity BS 4551 : 2010 + A2 : 2013	≥ 65%
Water Retentivity BS 4551 : 2010 + A2 : 2013	≥ 95%
Coverage	Approx. 1.65kg/m ² /mm thick
Density	1850 kg/m ³

SHELF LIFE

Approximately 12 months in factory sealed packaging and should be stored indoor and off the ground in dry area.

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

CAUTION

PRO PLASTER-H ECO contains Portland Cement and Silica Sand. Avoid eye and skin contact and use protective gloves and goggles. Mix in a well-ventilated area and avoid breathing powder or dust.

For further information, refer Safety Data Sheet.

SALES AND TECHNICAL SERVICES

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