



PERLCON
SANDFREE
PLASTER
Premix Self curing Eco friendly



PERLCON

SANDFREETM

ECO Friendly Plaster for
Stronger & Durable walls.

Minimum shrinkage
Minimum efflorescence.

Retain advantage of Cement without
facing problems related to sand

Make house that
reflects your **CHOICE.**



Innovative Spray grade plaster



Save material time & labor.



Product Description

Perlcon SandFree is Light Density, Self-Curing, cement based ready mix plaster mortar that offers Value Additions as No Natural or Man-made Sand, recycled and/or stone dust is used for making SandFree plaster mortar ready mix.

Perlcon SandFree is made from OPC-53, specially selected fine quality siliceous minerals from distinguished mines and polymeric additives that assure greater consistency and better as well as long lasting plastering solutions for all types of works.

Key Features

- **Self-Curing:** Under normal climatic conditions, no need of Pre-wetting of walls as well as Post plaster work curing. Thus, **Perlcon SandFree** saves substantial TIME, Utilities & Manpower besides saving critical natural resources.
- **Minimizes Shrinkage:** The specially selected Minerals and Fine Polymeric additives ensure least of Shrinkage during initial maturing period.
- **Improved and well calibrated Workability:** The presence of superlative ingredients in **Perlcon SandFree** give better consistency and ideal workability. Thus, it assures "Ease of Application" with longer pot life.
- **Spray Grade Ready Mix:** **Perlcon SandFree** plaster mortars are truly Spray Grade Plaster mortar that can be used with any spray plaster system to achieve greater economy on application costs.
- **Maximum Coverage:** Light Density **Perlcon SandFree** plaster mortars offers maximum Coverage and minimum wastage at work place. **SandFree** gives at least 40% more Coverage than any other sand based plaster ready mix.
- **Enhanced Strengths & Longevity:** **Perlcon SandFree** offers higher Compressive Strength, Bond Strength, Flexural strength as well as lesser water ingress and smoother finished surfaces.

Recommendation

- Perlcon SandFree can apply on any type of external or internal walls, made with RedClay Bricks, Fly Ash Bricks and/or Concrete Blocks
- Light Density **Perlcon SandFree (LD)** is strongly recommended for AAC block masonry walls or cast-in-situ walls because **SandFree** creates thinner yet durable plaster layer of 6-8 mm thickness easily.
- For maximum protection from rain water in heavy rain fall zones, external wall plaster can be carried out using water repellent grade **Perlcon SandFree (LD-E)** ready mix
- For small patch works and repairs work, we suggest **SandFree** ready mix.

TECHNICAL PARAMETERS# testing parameters @ 27 deg C

Bulk Density	1.10 - 1.30 gm/cc
Water Demand	18 - 20 % (+/-5 %)
Pot Life	90 - 105 minutes
Initial setting time	75 - 90 minutes
Final setting time	200 - 220 minutes
Compressive strength @ 28 days	> 4.00 Mpa
Flexural strength @ 28 days	> 1.80 Mpa
Dry Adhesion Strength	> 0.60 Mpa

Directions for Use

- Clean up thoroughly the wall / ceiling surfaces, making it free of Oil, Grease, dust or any loose particles, limps, wires or any leftover materials
- Ensure that correct level markings / guides are set on walls/ceiling surfaces
- Pre-wet the surface lightly, if found necessary. Also, opt for a thin undercoat of 3-6 mm thickness prior to carrying out regular plaster work. It helps creating better bonds with wall surfaces.

Mixing

- Ensure that dry mortar is poured into stipulated quantity of clean water and homogenous well blended green mix is prepared. After initial mixing is completed, wait for 10 minutes and re-mix the same without adding water, to let the entrapped air released.
- For any Ready Mix mortar, machine mixing is a preferred way to prepare green mix.

Application Methodology

- Ensure the applicator is splashing the green mortar lumps uniformly over the surfaces in order to make well distributed and fairly even plaster layer that does not need unnecessary and repetitive displacements.
- Attempt initial and final finishing operation in a staggered manner as the green mortar sets in and gets adequately stiffened. Premature surface finishing may lead to cracking of plaster surfaces due to over working.
- Do not allow water sprinkling excessively to achieve better finishing quickly.
- Plaster surface will achieve full maturity & strength after 21-28 days only.
- Apply fibre mesh or chicken mesh over RCC – Masonry wall joints to avoid cracks at a later stage.
- Never carryout plaster work under direct sun light on a hot summer day.

Consumption

(Under ideal Condition by skilled applicators with proper tools-tackles)

• For SandFree (LD) & (LD-E)		
10 mm Thick Plaster Layer	:	1.35 Kg/Sq.Ft.
15 mm Thick Plaster Layer	:	2.00 Kg/Sq.Ft.
18 mm Thick Plaster Layer	:	2.40 Kg/Sq.Ft.
• For SandFree (HD)		
10 mm Thick Plaster Layer	:	1.85 Kg/Sq.Ft.
15 mm Thick Plaster Layer	:	2.75 Kg/Sq.Ft.
18 mm Thick Plaster Layer	:	2.35 Kg/Sq.Ft.

Note:

- Minimum Plaster thickness of 6 mm can be comfortably achieved.
- In a single layer, one should not attempt to create more than 18 mm thickness.
- 4-6 days of Air-Curing is preferred and recommended before taking up any subsequent activity over plaster surface.

Pack Size:

- SandFree (LD) / (LD-E): 40 Kg BOPP Laminated HDPE Bag
- SandFree (HD)(1.6 gm/cc): 50 Kg BOPP Laminated HDPE Bag

Shelf Life

12 months from the date of manufacturing, if the bag is in sealed condition and kept in a cool, dry place away from direct sun light and moisture.

Health & Safety: Perlcon SANDFREE is non-toxic. Use of gloves and goggles is recommended.

: Pot life, open time and adjustability time varies depending on the service conditions viz temperature, humidity and wind factor.

: These are typical test values obtained during our laboratory tests. Site mixes may show slight differences in performance due to method of application.

Disclaimer: Information on this datasheet is to be treated as guideline for usage. Users are advised to undertake a trial for product suitability prior to its full scale usage. There is no express or implied guaranty/warranty for the results. The company is not liable for any consequential damages.

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