



Aquatech LTD.

PRODUCT DATA SHEET

Cluster Pluster SKC

Exterior Wall Base Skim Coat

Product Description

Cluster Pluster SKC is a high-grade putty powder designed for exterior wall priming and surface preparation. Formulated with imported raw materials and advanced polymer chemistry, it is manufactured using modern equipment and optimized techniques to ensure excellent consistency and reliability.

The product is ideal for fine cement mortar leveling on both indoor and outdoor walls, ceilings, and concrete surfaces. It delivers smooth application, strong bonding, excellent water resistance, good vapor permeability, and reliable crack resistance.

Where To Use

- Fine leveling of indoor and outdoor walls, ceilings, and cement mortar surfaces.
- Cement mortar plastered walls on both concrete and lightweight concrete blocks.

Recommended Usage

0.8kg/m² – 1.0kg/m² for 1mm thickness film

Note: Data is based on laboratory tests under standard conditions and is for reference only. Actual consumption may vary depending on site substrate and environment.

Product Features

- Smooth and effortless application with excellent workability.
- High bonding strength, resistant to flaking, no need for reinforcing agents.
- Superior breathability, prevents condensation on humid days, and keeps walls dry.
- Excellent water resistance and outstanding crack resistance.

Storage & Transportation

- Avoid direct sunlight, rain, compression, and impact. Keep packaging intact.
- Store in a cool, ventilated, and dry location at 5°C – 35°C.
- Shelf life: 12 months from the date of production under proper storage conditions.

Supply & Packaging

25kg / bag

Powder : Water = 1 : 0.3–0.4

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Construction Guide & Safety Advice

Application Procedures

- **Base Preparation:** Substrate must be solid, free from hollows, dust, oil stains, or loose particles. Moisture content should be below 10% with pH < 9. For uneven surfaces, level with patching mortar. To prevent bubbling, pre-wet the surface with clean water before application; no standing water should remain.
- **Primer Treatment:** Apply a primer or sealer by spraying or rolling to improve adhesion.
- **Mixing:** Add powder gradually into clean water at the specified ratio (per certification). Mix with an electric mixer until a uniform paste is formed. Allow mixture to rest for ≥8 minutes, then remix briefly before use.
- **Application:** Apply in layers of 0.5–1.5mm thickness (≤2mm total). Excessive thickness may lead to shrinkage cracks. Allow the first coat to dry for 1–2 hours (until bubbles dissipate) before applying the second coat (≤1mm).
- **Sanding:** Lightly sand 1–2 days after final coat (depending on weather). Remove tool marks without over-sanding to maintain strength and ensure a uniform finish.

Attention

- Mix only with clean water. Do not mix with other powders or additives.
- Recommended application temperature: 5°C – 35°C, relative humidity ≤ 85%. Avoid application under rain.
- Newly plastered surfaces must cure for at least 2 weeks before putty application.
- Not suitable for direct use on old walls, polystyrene boards, plywood, or other non-masonry substrates.
- Sanding should be performed 1–2 days after drying. Remove sanding dust thoroughly to prevent adhesion issues.
- Do not re-add water to dried putty.
- If excessive water is added, do not discard the batch; instead, correct by adding additional dry powder to restore consistency.
- When drying reaches 80–90%, compress (calender) to improve hardness.
- Use mixed product immediately; seal and store unused material promptly to prevent moisture damage.
- This product is alkaline and may irritate eyes and skin. Wear protective equipment during handling. If contact occurs, rinse with plenty of clean water and seek medical advice.

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Technical Data (For Reference)

Implemented Standard: JG/T157-2009 Putty for exterior wall type P

Item	Index
State	Homogeneous
Workability	Smooth scraping and coating
Drying time (surface dry) / h	≤ 5
Initial drying crack resistance (6h)	One coat ≤ 1.5mm: 1mm, no cracking
	One coat > 1.5mm: 2mm, no cracking
Rubbing property	By hand
Water absorption (g/10min)	≤ 2.0
Alkali resistance (48h)	No abnormality after 48h
Water resistance (96h)	96h: No blistering, cracking or obvious powder loss
Bond strength / MPa ≥	Standard condition: 0.6 Freeze-thaw cycle (5 times): 0.4
Dynamic crack resistance / mm	Cracks in substrate ≥ 0.04, <0.08

* The frost resistance test should be conducted if required.

Safety and Instructions

- This product is alkaline and may irritate skin and eyes. Avoid inhalation of dust and direct contact. Wear appropriate protective clothing and gloves. In case of skin contact, rinse immediately with clean water. In case of eye contact, flush with plenty of water and seek medical attention immediately.
- Use of this product is beyond the manufacturer's control; therefore, no liability will be assumed for damages caused by improper use. Always follow the recommended instructions for application.
- For any questions, please contact your local distributor or our technical service department.



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