

BALAJI
WALL TEXTURE

BALAJI STONECRETE
FLOOR N WALL

BALAJI STONECRETE AND PEBBLECRETE FLOORING

Mandatory Grooves, Benefits, PCC Slopes and Drainage

Technical Site Requirement Template

BALAJI WALL TEXTURE LLP

Manufacturer + Specialist Applicator | Trusted Since 1997

1. WHY GROOVES ARE MANDATORY

Grooves are a compulsory technical requirement in Balaji Stonecrete and Pebblecrete Flooring. Cementitious flooring naturally undergoes drying shrinkage and thermal expansion and contraction due to sunlight, rainfall and temperature variation.

Grooves divide the flooring into controlled panels and reduce the possibility of uncontrolled random cracking. They also organise the application sequence and help the applicator maintain thickness, level, slope and panel alignment.

MANDATORY PANEL CONTROL

Each panel should be limited to approximately 30-35 sq. ft.. Groove positions must follow the approved flooring drawing and align with PCC construction and structural movement joints. Never apply Stonecrete or Pebblecrete mortar continuously across an expansion joint.

1.1 Benefits of Grooves

- Control drying-shrinkage cracks
- Accommodate minor thermal movement
- Divide large areas into manageable panels
- Reduce random and uncontrolled cracking
- Improve compaction, thickness and level control
- Allow systematic panel-by-panel application
- Help isolate local repairs within groove boundaries
- Create clean and planned flooring patterns
- Improve long-term performance of the flooring system

1.2 Groove Dimensions

FLOORING SYSTEM	RECOMMENDED GROOVE
20 mm pedestrian flooring	Approx. 12 mm wide x 20 mm deep
30 mm light-vehicle flooring	Approx. 12 mm wide x 30 mm deep

2. PCC SLOPE AND DRAINAGE REQUIREMENT

The complete drainage slope must be provided in the underlying PCC surface according to the approved drainage drawing. Stonecrete and Pebblecrete Flooring are uniform decorative toppings and should not be used to form or correct major slopes.

The finished flooring application will follow the slope already constructed in the PCC base. The civil contractor must therefore complete, check and approve all base levels before Balaji begins application.

2.1 Requirements Before Flooring

- PCC slope must direct water toward approved drainage outlets.
- No depressions, reverse slopes or water-collection pockets should remain.
- Drain channels, gratings and outlets must be fixed at the correct levels.
- Finished levels must coordinate with kerbs, steps, doors and thresholds.
- Slope must remain continuous across every flooring panel.
- Grooves and panel divisions must not obstruct drainage flow.
- Terrace, podium and wet-deck waterproofing must be completed and tested.

MINIMUM SLOPE

Provide a minimum slope of approximately 1:100, or the slope specified in the approved architectural/civil drainage drawing, directly in the PCC surface.

2.2 Benefits of Correct PCC Slope

- Prevents water stagnation and ponding
- Reduces algae and moss development
- Prevents slippery wet patches
- Reduces staining and dirt accumulation
- Protects the flooring from premature deterioration
- Directs water away from buildings and landscape structures

3. PROJECT ELIGIBILITY

BENGALURU	SOUTH INDIA	PAN INDIA
3,000 sq. ft. and above	6,000 sq. ft. and above	10,000 sq. ft. and above

4. CONTACT DETAILS



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