



**ADDING THAT FINAL
TOUCH THROUGH
FINISHING**

UltraTech
C E M E N T

The Engineer's Choice

FINISHING

FINAL OPERATION DONE ON THE FRESHLY PLACED AND COMPACTED CONCRETE TO PRODUCE LEVEL AND UNIFORM CONCRETE SURFACES.

Finishing operations involve Screeding, Floating, Trowelling, Brooming and Edging etc.

SCREEDING

- ✓ Screeding removes bumps and hollows and gives true and uniform concrete surface
- ✓ Level the concrete surface by moving the straight edge back and forth across it
- ✓ With each movement, advance the straight edge forward to a very little distance
- ✓ Keep small quantity of concrete mix ahead of straight edge to fill the voids



Screeding

FLOATING

- ✓ Floating is followed by screeding to remove the irregularities left after screeding
- ✓ Use hand held float for smaller jobs and long handled float (bull float) for larger jobs
- ✓ Floating levels ridges, fills voids, embed the coarse aggregates and also compacts the concrete
- ✓ Floating is done with 1.5m long, 20cms wide wooden floats by moving forward and backward. Never use steel trowel as a float



Floating



Hand Float

TROWELLING

- ✓ Trowelling is the final operation among different stages of finishing
- ✓ Should be done after evaporation of water from concrete surface
- ✓ Dry cement should not be spread on the wet surface to absorb bleed water as it affects the surface quality. It results in surface cracks, weaker surface, dusting and blisters
- ✓ Use steel trowel to obtain a very smooth and high wear resistant surface. Avoid excess trowelling



Trowelling

EDGING

- ✓ Edging is done to chamfer the edges of the slab to prevent chipping and damage after removal of forms
- ✓ Remove the concrete adjacent to the form gently with a small mason's trowel and then use the edging tool to give the concrete rounded edges
- ✓ In general edging is not required but on patios, kerbs, sidewalks and driveways it provides a cleaner looking edge



Edging



Hand held Edger

BROOMING

- ✓ Brooming is done soon after floating to produce a slip resistant surface
- ✓ Brush lightly across the slab surface using a bamboo broom after the concrete has set slightly in order to retain the marks or grooves left by the bristles of the broom
- ✓ For obtaining a rougher surface, brushing may be done till the aggregate is exposed
- ✓ The broom should be run from side to side of the concrete without stopping. Pull the broom towards you, then lift it and set it back on the far side to pull it across again
- ✓ For sidewalks, patios, and driveways a broom finish is recommended



Brooming

TIPS ON FINISHING OF CONCRETE

- ✓ Place and move concrete to its final location without segregation
- ✓ Strike off and obtain an initial level surface
- ✓ Finishing operations should start when there is no or little bleed water
- ✓ Use the appropriate surface texture as required for the application
- ✓ Dry cement should not be spread on wet surface to absorb excess / bleed water. It causes cracks, dusting, scaling and blistering



**Call Toll free
1800-425-2525**

- To talk to our Mobile Concrete Expert *
- For Technical /General assistance
- For RMC Bookings

UltraTech Cement Limited

**Conditions apply. Services available in select cities/localities only*

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