

Method Statement

Colored Broom Reinforced Concrete Slab on Grade

1- Concrete slab on Grade:

Is a plane or reinforced colored or natural color slab, casted and trawled surface slab on well compacted imported or natural subgrade.

2- Site Layout sketch:

Scale 1:100 site zoning sketch showing all construction site components.

3- Shop Drawings:

Reasonable scaled Shop Drawings showing reinforcement, edge treatments and expansion joints.

4- Site access:

Reasonable path for concrete transit mixers and concrete pump should be made available from site boundary to the place of casting.

5- Site safety:

5-1: Warning tapes around vehicle path and casting areas should be stretched.

5-2: First Aid box should be made available near to casting area.

5-3: Firefighting equipment should be made available around working areas.

5-4: Enough No Smoking signs should be provided.

5-5: Industrial Safety Equipment should be worn by all workers.

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6- Night Works Site Illumination:

Industrial insulated outdoors lighting should be provided for comfortable working after sunset.

7- Tools:

- Bull Floats
- Magnesium Floats
- Edger
- Brooms
- Rubber Boots
- Aluminum Beam

8- Materials:

- Ready Mixed Concrete (By Others)
- RockColor

9- Temporary Electricity:

Main Contractor will make available temporary electric supply near to casting area.

10- Temporary Water Supply:

The main contractor will make available suitable water supply near to concrete casting area.

11- Subgrade Preparation:

11-1 well compacted subgrade. To insure 90% modified Proctor

▪ Test.

11-2 Subgrade levels should match architectural Shop Drawings.

12- Wooden Sides:

Straight: White Wood Section 10cm x 12.5cm fixed straight to subgrade by vertical steel bars 10mm diameter.

Curved: White Wood Section 10cmx7mm fixed according to Shop Drawings Radius by vertical steel bars 10mm diameter.

13- Damp Proof Layer:

400 micron thick Polyethylene sheets should be laid on subgrade with 100 millimeters overlap in both directions.

14- Steel Reinforcement:

Cut, Fixed and placed according to Approved Shop Drawings.

15- Expansion Joints:

According to Specifications and Contract Drawings and Approved Shop Drawings.

16- Quality Control:

15-1 Slump Test: Carried out by Ready Mix Supplier.

15-2 Cube Strength Test: Carried by Main Contractor.

17- Concrete Casting:

Mobile Transit Mixers will feed Concrete Pumps which will place concrete at nearest point needed.

18- Leveling & Compaction:

Labors will spread concrete by shovels, rough leveling and compaction by Aluminum Bar.

19- Surface Smoothing:



Labor will smooth surface by Trowels.

20- Surface Coloring:

Evenly Hand spreading RockColor as per preset manufacturers amounts, then resurface smoothing to ensure adherence between color and base concrete.

21- Surface Broom:

Using long handle Broom to comb concrete colored surface in the pattern and direction required by the Approved Shop Drawings.

22- Weather Restrictions:

Concrete Casting: Between 10 Degrees and 35 Degrees

Color Spreading: Wind speed not more than 6.0 m per second

Surface Protection: Relative Humidity not more than 70%

23- Curing & Protected:

After 24 Hours slabs should be kept watered and protected.

24- Site Cleaning:

All tools, residue materials and debris should be collected and carted away to instructed places.

25- Daily Work Record:

Daily executed works are marked on Approved Shop Drawings.

26- Final Submittal:

The site supervision Engineer approval is taken to announce the works completion as per Specs, Drawings and Instructions.

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