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# **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 confortable 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.

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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:

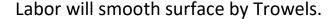
Mobile Transit Mixers will feed Concrete Pumps which will place concrete at nearest point needed.

## 18- Leveling & Compaction:

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

## 19-Surface Smoothing:





## 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.

