METHOD OF STATEMENT

BC Sand Bond EG

Environmental Grade Sand Binder / Surface Stabilizer

1. Purpose

This Method of Statement defines the procedures, materials, equipment, and quality requirements for the application of BC Sand Bond EG for sand stabilization, dust control, and erosion reduction in landscaping, infrastructure, and desert environments.

2. Scope of Work

This method covers:

- Stabilization of loose desert or beach sand
- Dust control for open areas and construction zones
- Sand binding for pathways, berms, slopes, and landscaped areas
- Application by spraying, flooding, or drip irrigation

3. References

- BC Sand Bond EG Technical Data Sheet (TDS)
- BC Sand Bond EG Safety Data Sheet (SDS)
- Project specifications & approved material submittals

4. Materials

4.1 Product

BC Sand Bond EG
Water-based, eco-friendly polymer dispersion for sand stabilization.

4.2 Water

Clean, potable water for dilution.

4.3 Approved Bonding or Priming

Not required unless specified by project.

5. Tools & Equipment

- Motorized boom sprayer / tank sprayer
- Water truck with spray bar (for large areas)
- Hand or backpack sprayer (small areas)
- Drip irrigation system (landscaping applications)
- Mixing tank with calibrated water lines
- PPE: gloves, goggles, masks

6. Surface Preparation

1. Remove loose debris, organic matter, vegetation, and stones.
2. Ensure the surface is dry or slightly damp (avoid standing water).
3. Ensure the sand is levelled and shaped according to project requirement.
4. In high-wind zones, schedule application during low wind periods for best results.

7. Product Mixing & Dilution

Dilute BC Sand Bond EG with clean water according to required stabilization level.

Application	Dilution (Product: Water)
Light dust control	1 : 5 to 1 : 8
Moderate stabilization	1 : 3 to 1 : 5
Heavy bonding / slope stabilization	1 : 1 to 1 : 3

Mixing Procedure

1. Fill tank with required quantity of water.
2. Add BC Sand Bond EG slowly while mixing.

3. Mix for 2–3 minutes until uniform.
4. Avoid excessive agitation that may create foam.

8. Application Procedure

8.1 Spraying Method (Standard)

1. Apply diluted BC Sand Bond EG evenly using boom sprayer, hand sprayer, or water truck.
2. Keep nozzle 30–60 cm above surface to ensure uniform wetting.
3. Avoid over-saturation or ponding.
4. For high-stability requirements, apply two coats, allowing first coat to dry before second.

8.2 Flood Coat (Landscaping & Bunkers)

1. Pour diluted material over sand area to penetrate deeply.
2. Allow the product to naturally seep into the sand.
3. Avoid heavy flooding to prevent runoff.

8.3 Drip Irrigation Method

- Connect product mixture to drip lines for underground sand binding.
- Ideal for resorts, walkways, gardens.

8.4 Multiple-Coat Application

- For slopes, berms, and wind-sensitive areas:
  Apply 2–3 coats, each with lighter dilution for top coats.

9. Coverage Rates

Application Type	Coverage (L/m² of diluted material)
Light sealing	0.25 – 0.50 L/m²
High binding	0.75 – 1.50 L/m²

Coverage varies based on sand dryness, depth, and porosity.

10. Curing

- Touch dry: 1–2 hours
- Full cure: 24–48 hours
- In humid or cold conditions, allow additional curing time.
- Protect area from heavy foot or vehicle traffic during curing.

11. Quality Control

1. Ensure correct dilution ratio per project requirement.
2. Check uniformity of spray application.
3. Random test areas for bonding strength (visual inspection).
4. Confirm no untreated patches remain.
5. Ensure no runoff or surface cracking after curing.

12. Environmental Conditions

- Application Temperature: +5°C to +40°C
- Do not apply during:
    - Heavy rain
    - Strong winds
    - Sandstorms
    - Extreme heat > 45°C on surface

13. Cleaning of Tools & Equipment

- Clean sprayers, hoses, and tanks with clean water immediately after use.
- Dried material may require mechanical cleaning.
- Dispose rinsing water away from waterways.