



Technical Data Sheet

BC Sand Bond EG

Environmental Grade Sand Binder / Surface Stabilizer

1). Product Description

BC Sand Bond EG is a premium-grade, environmentally friendly polymer dispersion designed to bind and stabilize loose sand, control dust, and reduce erosion. It forms a flexible film that bonds sand particles together, creating a durable, natural-looking surface that withstands wind and light traffic.

Ideal for desert environments, resorts, landscaping areas, infrastructure zones, pathways, and construction projects.

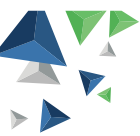
2). Features & Benefits

- Water-based, eco-friendly and solvent-free
- Deep penetration into sand for strong particle bonding
- Excellent wind and dust erosion control
- Dries clear – maintains natural sand appearance
- UV and weather-resistant – suitable for hot desert climates
- Flexible film formation – resists cracking and flaking
- Low odor with extremely low VOC emissions
- Easy application via spray or flooding
- Fast drying, rapid curing in hot climates
- Non-hazardous and safe for landscaping & public areas

3). Recommended Uses

- Desert / beach sand stabilization
- Landscaping & resort walkways
- Dust control for construction sites
- Mining haul roads, yards & stockpiles
- Road shoulders & sand berm stabilization
- Sports facilities & equestrian arenas
- Golf course bunkers & pathways
- Erosion control for loose sand slopes





4). Technical Data

Property	Value
Appearance	White liquid (dries clear)
Base	Vinyl Acetate Polymer Dispersion
Specific Gravity	~1.06
Solids Content	10–40% (SDS range)
Viscosity	~200–1200 cP (typical polymer dispersion)
VOC Content	<0.01%
Flash Point	Non-flammable
Odor	Slight acetate odor
Stability	Stable in storage
pH	~4.5–6.0
Temperature Resistance	-10°C to +70°C

5). Application Guidelines

Surface Preparation

- Remove loose debris, stones, organic matter
- Surface can be dry or slightly damp; avoid ponded water

Dilution

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





Application Method

- Tank sprayer / boom sprayer / water truck
- Flood coat or drip irrigation (for landscaping)

6). Coverage

Surface	Coverage (L/m ² diluted solution)
Light sealing	0.25 – 0.50 L/m ²
High binding	0.75 – 1.50 L/m ²

Coverage varies depending on sand dryness & porosity

7). Curing

Condition	Time
Touch-dry	1–2 hours
Full cure	24–48 hours

CLEANING

- Clean tools & equipment with clean water immediately after use.

8). Packaging

- 1000 L IBC tank

9). Storage & Shelf Life

- Store between +5°C and +40°C
- Keep sealed, avoid freezing & direct sun
- Shelf life: **12 months** unopened container





10). Health & Safety

- Avoid direct contact with eyes and skin
- Use gloves & eye protection
- Non-flammable, non-hazardous product
- Refer to SDS for full safety instructions

DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

