

## Civil Construction

### ECOBOND GS70

A specially formulated liquid polymer, ECOBOND GS70 is a key solution that dries clear, and is environmentally friendly. Engineered for use in civil construction, it can act as a clear polymer sealant as well as a high performing stabilization agent.

ECOBOND GS70 (D) Dust Control Polymer Sealing:

Polymer sealing with ECOBOND GS70 works differently. After initial works, maintenance applications are required once every 12 to 16 week depending on traffic loading. With each application, an accumulating number of silty dust particles are bound together, preventing them from becoming airborne. Due to the cumulative residual nature of the product, over time, the rate of application of ECOBOND GS70 reduces, becoming more economical each year.

ECOBOND GS70 (S) Soil Stabilization:

Is a clear, environmentally safe, and aesthetically pleasing polymer seal, ECOBOND GS70 is a highly effective polymer soil stabilization agent. Used on its own or in conjunction with traditional soil stabilization agents it achieves extremely high UCS results with relatively low dosage rates. For example, testing with as little as 0.7% by mass has seen results over +6MPa achieved.

ECOBOND GS70 works by physically and chemically bonding soil or pavement particles leading to improved compressive strengths, high tensile resilience, and water impermeability.

### Benefits

Simply sprayed from a water truck, the results are:

- Elimination of dust and its impacts (visibility, health, surrounding areas)
- Stable, waterproof surface preventing corrugation and potholing
- Improved skid resistance and decreased rolling resistance
- Costs savings of 30-40% due to removal of daily watering and grading, less wear and tear on vehicles, improved haul times, elimination of downtime during and after wet weather
- Available in environmental Green and environmental Clear product colour

### Applications

The key areas of use for ECOBOND GS70 as a polymer seal and/or stabilization agent are:

- New Construction - sub grade, sub base, base improver
- Pavement Recycling - in situ treatment
- Sealing or stabilizing haul roads, side tracks, car parks, construction or military camps, container hardstands, railroad yards, and temporary landing areas.