



CORN ENHANCED LIGNIN-CEL

Leaders in Organics

DUST SUPPRESSANT LIQUID AND ROADBED/SOIL STABILIZATION AID

Description

CORN ENHANCED LIGNIN - CEL is a cost-effective dust suppressant and soil stabilizer that can be used in a variety of application methods to create a more durable surface with increased load-bearing capacity. Typical materials that have been successfully treated with CEL include soil, aggregate blends and chip-and-seal surfaces.

CEL is a biodegradable, nontoxic and environmentally safe product derived from natural ingredients

TYPICAL PROPERTIES

Appearance	Brown
Specific Gravity	-1.14
pH	5.5 - 7.5
Water Miscibility	Complete

APPLICATIONS

Dust Suppressant

Simply water the surface well before application of **CEL**

CEL application rates will vary depending upon the material composition and results intended. For best results, CEL must be applied to a surface that is adequately drained, well-grated, crowned and compacted. Moisture content and precipitation during and immediately after application may affect results.



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CORN ENHANCED LIGNIN-CEL

- Scarify or pulverize the surface to a 1 – 2 inch depth.
- Water as needed and apply Corn Enhanced Lignin – **CEL**.
- For best results, roll the surface to compact.

Treating road and parking lot materials with Corn Enhanced Lignin – **CEL** for dust control is a simple process. It is commonly used as a cost-effective seasonal treatment, involving application to a 2 inch depth and compacting. Topcoat retreatments with **CEL** at full strength or diluted can be used as needed to maintain the benefits of the initial application.

Full Stabilization

- Scarify or pulverize the surface to a 4 – 6 inch depth.
- Water as needed and apply Corn Enhanced Lignin **CEL**.
- Regrade to mix well.
- Crown the surface as needed
- Roll the surface to compact.
- Apply a topcoat of **CEL**



This method creates a resilient and durable surface with load-bearing ratios comparable to 3 to 5 inches of asphaltic concrete. It is used to treat road bases before paving or to provide a longer lasting surface without paving. For high-traffic surfaces, full stabilization offers the best results. We recommend regular maintenance by top coating with **CEL** to keep surface material bound on unpaved traffic areas.



PERFORMANCE

The Product of Choice: Corn Enhanced Lignin - **CEL**

- Dust Control calcium chlorides work by holding moisture in the roadbed. **CEL** works by coating and binding surface material. This treatment rejuvenates with moisture, is easy to maintain, keeps dust particles bound and offers a superior surface.
- Encapsulates get brittle, shatter, wash away and are poor for the environment. **CEL** creates a more flexible surface and is environmentally safe.
- When **CEL** is used on gravel roads, it eliminates the high cost of adding fresh gravel and frequently grading the road surface.
- Chip-and seal surfaces last much longer when **CEL** is used to treat the road base. In actual applications, chip and seal surfaces last up to twice as long when applied onto a **CEL** treated base.
- To get more life out of expensive asphalt material use **CEL** to stabilize the road base before paving. Asphalt paving lasts two times longer with **CEL** treated base vs untreated bases.