

Environmental Considerations

DirtGlue polymer emulsions have been proven to be environmentally safe products.

DirtGlue polymer emulsions:

- Contain no harmful chemical solvents
- Do not emit any volatile organic compounds (VOC)
- Are non-corrosive and non-flammable
- Do not change the pH of the soil
- Have no harmful effects on people, plants, animals, fish or other aquatic life

As water soluble products, DirtGlue polymer emulsions may be applied to environmentally sensitive areas such as wetland buffer zones because they have no adverse effects on groundwater. With DirtGlue polymer emulsions, soil particles act as a filter. The polymer molecules remain near the surface as they bond soil particles together. Nothing but water goes deeper into the ground.



OTHER LINES OF PRODUCTS INCLUDE:

Dustless

Environmental Dust Control

PotholeGlue

Complete pothole repair package.

DirtGlue

Eliminates dust, prevents mud and controls erosion.



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DirtGlue

- Dependable Protection
- Increased Productivity, Efficiency and Safety
- Instant Result and benefit
- No special equipment needed
- Environmentally Friendly

DirtGlue products are based on acrylic emulsion polymer technology and are specifically formulated to bond soil particles together. Applied to the surface of the soil, DirtGlue polymer emulsions form a protective barrier that eliminates that dust, prevents mudslides and other forms of erosion caused by nature and man. When mixed into the soil, DirtGlue polymer emulsions create a robust and durable driving surface.

DirtGlue products are formulated to consistently yield the following competitive advantages:

- Excellent film forming properties over a broad temperature range
- Superb adhesion to fine particles, both inorganic and organic
- Unusual film strength and flexibility over a wide temperature range
- Remarkable chemical, thermal and ultraviolet light stability
- Environmentally benign and biodegradable

Increase Performance when using DirtGlue for:

DUST CONTROL

DirtGlue Light polymer emulsions provide superior, more durable, and environmentally acceptable dust suppression than other conventional approaches such as water or calcium chloride. The high molecular weight materials of acrylic emulsions serve as binders to adhere the small dust particles together, forming a stiff surface crust. Since the polymeric binders are non-volatile and water insoluble, they do not evaporate or wash away under rain. Depending upon application conditions (temperature, soil/surface type, product dilution ration, treatment level etc.) the product dries within a short time to provide a tough non-dusting surface like crust. Undisturbed Surfaces (soil, sand, or coal piles may only require a single treatment, while surfaces subjected to frequent surface stresses (e.g. Vehicles on unimproved roads) may require a programmed application cycle to maintain optimum performance.

EROSION CONTROL

Soil erosion is another common problem facing Projects Managers and Road Agents. Unlike other methods, however, which attempt to deal only with the symptoms, specifically sediment, the appropriately selected DirtGlue Light polymer emulsion cures the underlying problem by creating a protective barrier on the surface of the soil that prevents erosion from taking place. Conventional sediment control methods include installing hay bales, filter fabric, and temporary settling ponds. Each of those methods require ongoing maintenance to continue their effectiveness. By preventing erosion, DirtGlue polymer emulsion eliminates the expense of these traditional methods since there is virtually no sediment runoff.

HYDRO-SEEDING

DirtGlue Light polymer emulsion can also be mixed and applied with hydro-seed to hold both seed mix and the soil in place until the seed germinates. Hydro seeding and/or mulching using DirtGlue light polymer emulsion is an effective solution for the unique problem of stabilizing steep embankments.

DRIVING SURFACES

Using the propriety formulation of DirtGlue Industrial polymer emulsion, applications are capable of creating robust and durable vehicle driving surfaces.

The diluted product is mixed into native soil or newly crushed quarry rock and compacted thoroughly. A properly installed driving surface application is expected to provide relatively low maintenance all-weather surface. A completed DirtGlue driving surface is easily maintained by spraying properly diluted DirtGlue polymer emulsion directly onto the surface and by allowing it to dry. Repairs, if needed, are easily accomplished by spreading pre-mixed soil and DirtGlue polymer emulsion onto the damaged and/or worn driving surface followed by compaction.

POTHOLE REPAIR

Excellent pothole repair is being accomplished by using the propriety formulation of DirtGlue industrial polymer emulsions in connection with the recently developed DirtGlue Catalyst. This is a proprietary dry mixture of inorganic calcium and carbon compounds that is being mixed with recycled Asphalt to create a dry blend for pothole repairs in asphalt roadways. This blend together with DirtGlue industrial polymer emulsion has the capability of being applied when temperatures are at or below freezing. Properly applied, the result is durable, tough pothole repair, that creates a strong bond between the applied aggregate and the surrounding asphalt.