

The Best Solution for Better Roads

LIQUIDOW™
Calcium Chloride

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For Gravel Stabilization and
Full-Depth Reclamation

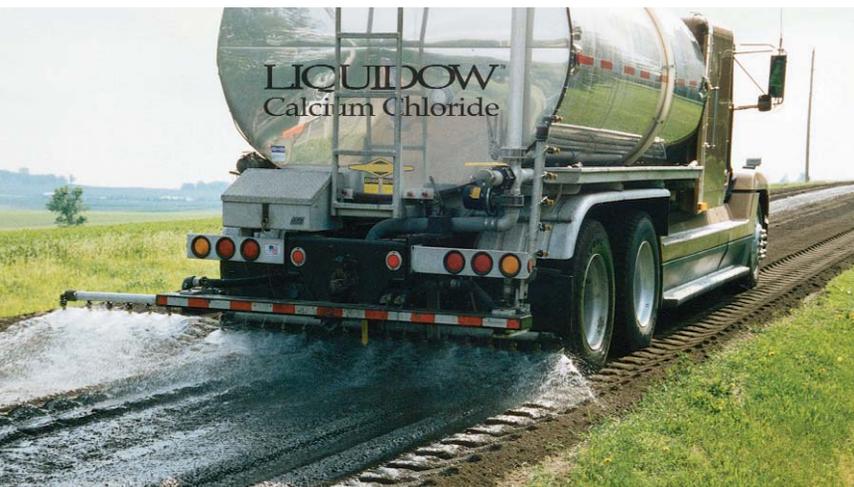
Better Roads, Top to Bottom

Calcium chloride is the clearly superior choice for better roads, and in liquid form, its properties make it a highly beneficial solution for both performance and value.

LIQUIDOW™ Calcium Chloride is available in concentrations from 28% to 42%. It is an extremely versatile material for several key road applications, including gravel stabilization and full-depth reclamation, in which it can make a notable contribution to improving ride quality, reducing maintenance costs, and beneficially impacting health and the environment.

Gravel Stabilization for a Smoother Ride

Gravel stabilization is a process that rehabilitates and extends the life of unpaved roads by mixing the existing aggregate with materials that enhance strength and resistance to deterioration caused by traffic and weather.



Proven Performance!

Whether it is used in the renovation of existing roads or the construction of new ones, LIQUIDOW™ provides a wide range of impressive benefits.



When LIQUIDOW™ is applied for gravel stabilization:

- Effective dust abatement is also realized, reducing the potential for vehicle accidents that could result in injuries or even loss of life.
- Inhalation of airborne particulate is reduced – and quality of life is improved – for individuals in roadside residences, campgrounds and businesses.
- Less road blading is required, so maintenance costs are lessened, and sediment load on nearby streams and lakes is decreased.
- The need for aggregate replacement is reduced, conserving scarce and expensive aggregate resources and lowering maintenance costs.
- The potential for frost damage is minimized.

Numerous scientific studies link exposure to dust particles with increased respiratory symptoms, decreased lung function, development of chronic bronchitis and other health problems (www.epa.gov), so the dust abatement that is simultaneously achieved with stabilization is especially beneficial.

Gravel stabilization using LIQUIDOW™ is also an important component in rehabilitating old roads through the use of full-depth reclamation techniques.

The Best Solution

Full-Depth Reclamation for a **Cost-Effective** Foundation



Full-depth reclamation is a process in which the existing surface of deteriorated asphalt roads and the underlying base are pulverized and mixed together to form an upgraded, homogenous new base.

Full-depth reclamation offers impressive advantages over other reconstruction techniques:

- Energy is preserved, because full-depth reclamation is a cold process that requires no heating fuel, and involves minimal hauling and handling of materials.
- Non-renewable resources are conserved since all existing materials are reused.
- In-place construction and high production rates reduce traffic disruptions.
- Fewer workers and less equipment are needed, resulting in lower costs and better traffic flow.
- The process is more cost effective over the long term, because the structural integrity of the gravel is increased, adding years to road life and improving ride quality.

Some studies suggest that full-depth reclamation provides cost savings as high as 50% compared with other reconstruction techniques, and still achieves the same, or better, finished road quality.

Full-depth reclamation provides cost savings as high as 50%

on Around!

Reclaiming the Road to Success

The use of a 38% solution of LIQUIDOW™ as an agent for gravel stabilization in the full-depth reclamation process provides distinct benefits, increasing the life of a paved road while reducing construction costs.

LIQUIDOW™ is very successful in this application because it:

- Binds the particles of the base materials together more effectively.
- Attracts moisture, facilitating compaction and imparting strength.
- Lowers the reclaimed layer's freezing point, which helps reduce the freeze/thaw cycles responsible for frost heave.

Calcium chloride is generally the least expensive of the stabilizers typically used. In cases where additional base strength is needed, it may be combined with small percentages of cement to achieve the desired result.

Whether full-depth reclamation is used to overcome base failures, increase a road's load-bearing capacity, create a more solid foundation for an overlay, or provide a more stable base for gravel roads, LIQUIDOW™ can pave the way to an enhanced process with improved results.

Hit the Road With LIQUIDOW™

LIQUIDOW™ streamlines and enhances the gravel stabilization and full-depth reclamation processes, reduces costs and improves road quality.

Contact a LIQUIDOW™ distributor today, and discover more about this clearly superior product for more effective and lower cost gravel stabilization and full-depth reclamation.

For more information or to find an authorized distributor of
OxyChem's calcium chloride products, please call or visit our website.

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