

1. PRODUCT NAME

LockDown™

2. MANUFACTURER

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- **Environmentally Safe:** LockDown is not a waste oil, petroleum distillate or salt system, but a pure polymer emulsion. Contains no PAH (polynuclear aromatic hydrocarbons).
- **Long Lasting:** One installation can give up to a year of service.
- **No VOC:** Contains 0 g/L (0 lbs/gal.) VOC content.
- **Economical:** Low cost per year of use; does not require repeated applications.
- **Easy to Use:** LockDown blends readily with water; no agitation or mixing is required. Can be applied through gravity feed water trucks.

3. PRODUCT DESCRIPTION

LockDown is a concentrated polymer emulsion. It is specifically formulated as a dust palliative and soil stabilizer providing superior penetration of the surface and binding of fine dust particles. LockDown does not simply fill the voids between dust particles. With the combination of ultra fine particle size, a superior surfactant and high adhesion polymer molecules, LockDown offers better penetration and binding than salt, oil or asphalt based products.

Packaging:

Bulk shipments are made in tank trucks. Also available in 260 gal. totes and 55 gal. steel drums.

Color:

As shipped, LockDown is a milky white liquid emulsion. When dry, it is clear.

Basic Uses:

LockDown is a dust control agent for unpaved dirt roads, gravel roads and parking lots, road berms and material stockpiles. It can also be used for hydroseeding.

Composition:

LockDown is a concentrated, high solids refined polymer emulsion.

Limitations:

In the liquid state, LockDown must be protected from freezing. Do not store in direct sunlight or where temperature exceeds 120°F.

4. INSTALLATION

Preparatory Work:

The surface must be completely dry. Scarify or till any hard-packed soil. Grade surface to be treated to provide proper drainage and remove any large aggregate greater than 4" in diameter.

Methods:

LockDown can be pressure sprayed or gravity flow control applied from a water truck.

Mix Design:

LockDown is a highly concentrated material intended to be mixed with clean fresh water. Always pump the concentrate into the mix tank first, then pump the water in from the bottom. If filling from the top is the only option, make sure the hose is immersed into the liquid to minimize foaming. Dilution rates vary from 6:1 to 20:1 water to concentrate depending on the application. The deeper the penetration required, the harder the soil, (e.g., clay, sand or loam) and the deeper the dust; the greater the cut with water required.

Per 100 gallons of LockDown

Ratio	Water	Yield
6:1	600 gals.	700 gal.
8:1	800 gals.	900 gal.
10:1	1000 gals.	1100 gal.
20:1	2000 gals.	2100 gal.

Application:

For use over unpaved dirt roads, gravel roads and parking lots, road berms, material stockpiles and hydroseeding, the following application procedures are recommended for best results:

A. Dirt & Gravel Roads (Heavy Traffic):

Use a 6:1 water to LockDown ratio and apply 1.0 gallon mix per sq. yd. or .12 gallon per sq. ft. A reapplication may be required at intervals to control re-deposition.

Application Rate

Dirt & Gravel Roads (Heavy Traffic)

	Gal/SY	Gal/SF
Concentrate	.125	.015
Mix	1.0	.12

B. Dirt & Gravel Roads (Medium/Light Traffic), Gravel Parking Lots:

Use an 8:1 water to LockDown ratio and apply 1.17 gal. mix per sq. yd. or .13 gal. per sq. ft. A reapplication may be required at intervals to control re-deposition.

Application Rate

Dirt & Gravel Roads (Medium/Light Traffic) & Gravel Parking Lots

	Gal/SY	Gal/SF
Concentrate	.115	.014
Mix	1.17	.13

C. Road Berms & Material Stock Piles:

Use a 10:1 water to LockDown ratio and apply 1.1 gallon mix per sq.yd. or .12 gallon per sq.ft. A reapplication may be required at intervals to control re-deposition.

*Application Rate**Road Berms & Material Stockpiles*

	Gal/SY	Gal/SF
Concentrate	.10	.011
Mix	1.1	.12

D. Hydroseeding:

Use a 20:1 water to LockDown ratio and apply 1.0 gallon mix per sq.yd. or .12 gallon per sq.ft. A reapplication may be required at intervals to control re-deposition.

*Application Rate**Hydroseeding*

	Gal/SY	Gal/SF
Concentrate	.075	.008
Mix	1.5	.175

Application must be made when ambient temperatures and pavement temperatures are above 50°F. Good drying conditions above 50°F are required during the subsequent 48 hours and no temperatures below 50°F should be anticipated for 48 hours. It is recommended that the area over which the application is made be opened to use only after trial shows it to be dried and sufficiently cured to accept regular traffic. Lower temperatures, high humidity, clouds or shade, and lack of air movement retard cure.

Precautions:

Keep out of reach of children. Container should be closed when not in use. Avoid breathing vapor or prolonged contact with skin or eyes. Flush immediately with water. Protect wet LockDown at all times from freezing and rain. Consult specific Neyra material safety data sheet before use.

5. MAINTENANCE

A reapplication of LockDown may be required at intervals to control re-deposition. Build up of polymer inventory in the soil with repeated applications of LockDown reduces the treatment quantities needed in subsequent years. An increase in dilution requires the application of more mix in more coats to deposit the necessary concentrate.

6. TECHNICAL DATA**Environmental Considerations:**

LockDown is a water based polymer emulsion containing 0 g/L (0 lbs/gal.) VOC content.

7. TECHNICAL SERVICES

Material safety data sheets, product and application recommendations, as well as assistance with special situations and field service are available upon request.

8. WARRANTY

The above specifications on product usage are believed to be true and accurate. Neyra Industries, Inc. guarantees that all materials manufactured comply with quality standards as described in the product data sheets. Because the application, handling, weather, workmanship and equipment are beyond the control of this manufacturer, only the quality of the products as shipped is guaranteed. In no case will the liability of Neyra Industries, Inc. exceed the purchase price of the shipped materials.

9. ADDITIONAL INFORMATION

Neyra Industries, Inc. manufactures a full line of asphalt pavement maintenance and recreational surface products as well as application equipment sold and distributed nationally at our plants and through distributors and contractors. To find the supplier most convenient to you, please contact us.



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