

Loresco DW-1 Backfill



Loresco DW-1 Backfill is a sized carbon backfill with particles ranging between 0.1 to 1 mm. DW-1 weighs 74 lbs per cubic foot and sinks readily in water or light mud. The fixed carbon content of DW-1 is over 99%.

Being a sized and predominantly round material, DW-1 may be installed by either pumping or pouring. Approximately 7 gallons of water per 100 lbs of backfill should be utilized when pumping. DW-1 wets easily, and only minimum agitation is necessary before pumping.

Specifications

- Fixed carbon: 99.93%
- Ash: 0.6%
- Moisture: 0.05%
- Volatiles: Nil at 950° C due to calcination in excess of 1200° C.
- Bulk density: 74 lbs per cubic foot.
- Particle sizing: From 0.004 inch to 1 mm.

Dry Volume of RS-3 Required by Cylindrical Hole Size (English Units)

Hole Diameter	Cubic Ft. of RS-3 per Linear Foot	Lbs of RS-3 per Linear Foot	Linear Feet per 100 lbs of RS-3
4 inches	0.087	6.4	15.7
6 inches	0.196	14.3	7.00
8 inches	0.349	25.5	3.93
10 inches	0.545	39.8	2.51
12 inches	0.784	57.2	1.75

Dry Volume of DW-1 Required by Cylindrical Hole Size (Metrics)

Hole Diameter	Cubic Meter of RS-3 per Linear Meter	Kgs of RS-3 per Linear Meter	Linear Meter per 45.5 Kg of RS-3
100 mm	0.008	9.54	5.15
150 mm	0.018	21.3	2.29
200 mm	0.032	38.0	1.28
250 mm	0.051	59.3	0.82
300 mm	0.073	85.2	0.58

Loresco DW-1 Backfill

Installation

Loresco DW-1 may be poured freely into dry applications. Tamping is not required. When it is applied by pumping, the recommended method is to pump from the bottom of the bored hole upward. After the application pipe (a 1" steel pipe) is lowered down to the bottom of the bored hole, it is coupled to a 20 GPM pump with a minimum capacity of 250 psi. Normally, the application pipe does not have to be raised during pumping procedures.

Horizontal Installation Procedure:

1. Have a reasonably clean ditch (design usually calls for a ditch one foot wide).
2. Pour Loresco DW-1 in a continuous layer six inches deep (or as specified).
3. Place anodes on top of DW-1.
4. Pour DW-1 in a continuous layer 6" deep until anodes are covered by a 6" backfill cover (or as specified).
5. Fill the remainder of the ditch as specified.

Vertical Installation Procedure:

1. Have a reasonably clean hole (depth depending on soil resistivity).
2. Place one foot of DW-1 in bottom of hole.
3. Lower and center anode in proper position.
4. Pour DW-1 over anode until design level is reached.
5. Fill remainder of hole as design specifies.

