

NO-MIX GROUND-ENHANCING BACKFILL

WHY NVENT ERICO QUICKFILL?

- Quickfill is the perfect ground-enhancing backfill when a convenient installation is critical.
- Quickfill lowers system resistance and is designed to minimize dust and eliminate mixing.

ADVANTAGES

- Lowers system resistance to ground
- Low-dust formulation
- Water not needed to install or perform
- Resistance measurements can be taken immediately after installation
- Fast installation – no mixing or cure time required
- Can be installed in below-freezing temperatures
- Does not dissolve, decompose, or leach out with time
- Corrosion-resistant
- Sulfur content below 2% per IEC 62561-7
- Easy-to-handle 25 lb. (11.3 kg) bags
- One-person installation
- Complies to the U.S. Environmental Protection Agency (EPA) Toxicity Characteristic Leaching Procedure (TCLP), test method 1311
- Complies to EN 12457-2 Characterization of Waste Leaching Procedure, ENV 12506 and ENV 13370

APPLICATIONS

- Utility
- Commercial and Industrial
- Telecom
- Rail



Product Comparison

nVent ERICO Quickfill vs. nVent ERICO GEM



Core Differentiators			
	Quickfill		GEM
Material	Carbon		Carbon/Cement
IEC 62561-7 certification			
Resistivity - Soil box	25 Ω -cm	●	20 Ω -cm
Leaching - EPA 1311/EN12457-2	Passed	●	Passed
Sulfur - Relevant to corrosion	< 2%	●	< 2%
Corrosion - Linear polarization	> 1.5 Ω -m ²	◐	> 8 Ω -m ²
Low-dust	Yes	●	No
Dust mask recommended	No	●	Yes
Time to install one 8-foot ground rod	< 1 minute	●	> 5 minutes
Mix with water to install	No	●	Recommended
Ideal cure time before measurement	0 days	●	3 days
Hard-set	No	◐	Yes
Theft-deterrent benefits	No	○	Yes
Resists seasonal variability	No ¹	○	Yes

¹ Dry ground enhancement materials are more sensitive to seasonal variability than cement-based materials.

Product Comparison

nVent ERICO Quickfill vs. Cement Formulations vs. Bentonite Clay Mixes

	Quickfill	Cement Formulations	Bentonite Mixes
Application Photos			

Core Differentiators

Material	Carbon	Carbon/Cement	Bentonite Clay/Gypsum
IEC 62561-7 certification			
Resistivity - Soil box	25 Ω-cm ●	Not claimed ² ○	> 200 Ω-cm ○
Leaching - EPA 1311/EN12457-2	Passed ●	Not claimed ² ○	Not claimed ² ○
Sulfur - Relevant to corrosion	< 2% ●	Not claimed ² ○	> 2% ○
Corrosion - Linear polarization	> 1.5 Ω-m ² ◐	Not claimed ² ○	Varies ³ ◐
Low-dust	Yes ●	No ○	No ○
Dust mask recommended	No ●	Yes ○	Yes ○
Time to install one 8-foot ground rod	< 1 minute ●	> 5 minutes ◐	> 5 minutes ◐
Mix with water to install	No ●	Recommended ◐	Recommended ◐
Ideal cure time before measurement	0 days ●	3 days ◐	0 days in wet soil ●
Hard-set	No ◐	Yes ●	No ◐
Theft-deterrent benefits	No ○	Yes ●	No ○
Resists seasonal variability	No ¹ ○	Yes ●	No ¹ ○

¹ Dry ground enhancement materials are more sensitive to seasonal variability than cement-based materials.

² Not claimed at time of publication. Check with manufacturer.

³ Check with manufacturer.



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