

## NO-MIX GROUND-ENHANCING BACKFILL

### WHY NVENT ERICO QUICKFILL?

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- 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

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- 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

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- Utility
- Commercial and Industrial
- Telecom
- Rail



# Product Comparison

## nVent ERICO Quickfill vs. nVent ERICO GEM






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

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

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

<sup>2</sup> Not claimed at time of publication. Check with manufacturer.

<sup>3</sup> Check with manufacturer.



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