nVent ERICO Quickfill and nVent ERICO GEM

GROUND ENHANCEMENT FOR EVERY APPLICATION

Increase the effectiveness of your grounding system in areas of poor conductivity with ground enhancing solutions from nVent ERICO. Whether your application has rocky ground, mountain tops or sandy soil, nVent ERICO Quickfill and nVent ERICO GEM have you covered.

Achieve the target resistance of your application through a premium cement-based conductive material such as GEM, or a convenient low-dust, no-mix backfill with Quickfill. Both are maintenance-free after installation.

To achieve a low grounding system resistance target in a critical application, GEM has you covered. To improve your grounding system resistance or meet a target resistance with minimal equipment on site, Quickfill is the convenient solution for you.

nVent ERICO offers an online calculator for Quickfill and GEM that provides resistivity values for common applications and can help estimate the amount of Quickfill or GEM required for an installation. The calculator is available for use on our website at ERICO.com.

QUICKFILL



- Convenient, no-mix install
- Low dust formulation
- No water required for installation
- Quick installation - no tools or special equipment required
- Immediate resistance measurements
- Easy-to-handle 25 lb (11.3 kg) bags enables one-person install
- Seasonal variability

GEM



- Cement-based formulation
- Theft-deterrent after cure
- Fully IEC 62561-7 compliant
- Resistance measurement in three days
- Fully cures within 28 days
- Premium product, best-in-class of this type of product
- Bag with handles or plastic bucket with locking lid
- No seasonal variability

APPLICATIONS

Utility

Commercial and Industrial

Telecom

Rail

Product Comparison

nVent ERICO Quickfill and nVent ERICO GEM

	Quickfill		GEM	
Applications				
Core Differentiators				
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.

nVent

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

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