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nVent ERICO Quickfill No-Mix Ground Enhancing Backfill

Power Utilities

nVent ERICO Quickfill is a no-mix ground-enhancing backfill that reduces resistance to ground and enables convenient installations. Quickfill is designed to minimize dust and eliminate mixing. It is the ideal material to use in areas of poor conductivity such as rocky ground, mountain tops, and sandy soil. Once installed, Quickfill is maintenance-free, not requiring periodic charging. Dry ground enhancement materials are more sensitive to seasonal variability than cement-based materials.

FEATURES

- Lowers system resistance to ground
- Low-dust formulation
- Water not needed to install or perform
- Fast installation with 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
- Requires only one person to install
- Resistance measurements can be taken immediately after installation
- Complies to the U.S. Environmental Protection Agency (EPA) Toxicity Characteristic Leaching Procedure (TCLP), EPA test method 1311
- Complies to EN 12457-2 Characterization of Waste Leaching Procedure, ENV 12506 and ENV 13370

SPECIFICATIONS

Table 1/1	
Catalog Number	**Unit Weight**
QF25	11.300 kg

Specifications		
Parameter	**Values**	**Test Method**
Resistivity	< 15 Ω-cm when mixed with 40% water by weight < 25 Ω-cm when tested dry	4-Electrode method per ASTM G57-06
Sulfur Content	< 2%	ISO 4689-3
Leaching	< reporting limit for all substances	EN 12457-2 TCLP per EPA 1311
Density	993 kg/m3	-

Estimated Trench Length per Bag of Quickfill			
Trench Width	**Total Thickness of Quickfill**		
	10 cm	**13 cm**	**15 cm**
10 cm	1.10 m	0.88 m	0.73 m
15 cm	0.73 m	0.58 m	0.49 m
20 cm	0.55 m	0.43 m	0.37 m
25 cm	0.43 m	0.34 m	0.27 m
30 cm	0.37 m	0.27 m	0.24 m

Estimated Bags of Quickfill for Backfilling Around Ground Rods						
Diameter	**Depth**					
	1.5 m	**1.8 m**	**2.4 m**	**3.0 m**	**4.6 m**	**6.1 m**
10 cm	1.1	1.3	1.8	2.2	3.3	4.4
15 cm	2.5	3.0	3.9	4.9	7.4	9.8
20 cm	4.4	5.2	7.0	8.7	13.0	17.4
25 cm	6.8	8.2	10.9	13.6	20.3	27.1
30 cm	9.8	11.7	15.6	19.5	29.3	39.0

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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