

NORDIC VOID THERMAGUARD TG-250 VOID FORM

TOUGH. VERSATILE. ECONOMICAL. RESILIENT.

Our Nordic Void ThermaGuard TG-250 is the next generation of void form. Building upon the characteristics of Norseman's original Nordic Void Form, TG-250 offers improved thermal insulation, resiliency and weight bearing capacity. This engineered structural load bearing, resilient void form, has been designed to protect foundations from damage due to frost heave and soil swell. Compared to traditional void materials, Norseman's TG-250 will not biodegrade or collapse under the foundation. As the ground pressure subsides, it will recover most of its thickness and prevent the void space from filling with unwanted materials - protecting the foundation year after year.

PRODUCT BENEFITS

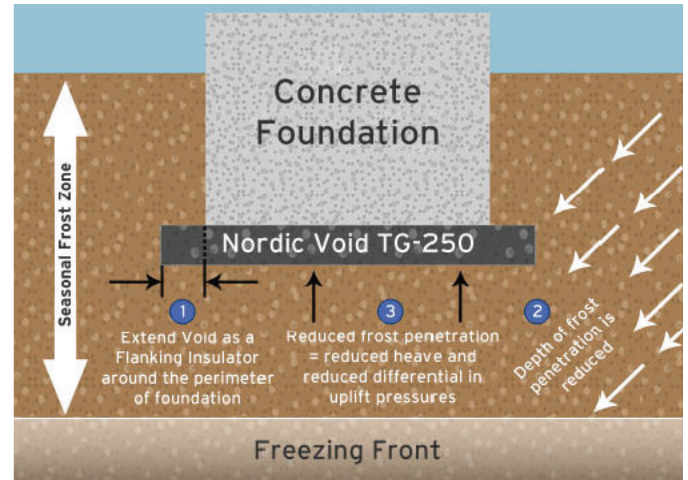
- Resists significant degradation from hydrocarbons including bitumen laden soils, crude oil and diesel fuel.
- Chemical and water resistant.
- Available in a multitude of thicknesses.
- Performs consistently over a wide range of temperatures.
- Lightweight; installs easily and quickly.
- Does not require protective poly or surface protection such as plywood or OSB; can be walked on and concrete can be poured directly onto it.
- Reusable and completely recyclable.

Nordic Void ThermaGuard Plank Dimensions

Product Name	Description
TG-250	48" x 96" - Available in 2", 4", 6", 8" and 10" thicknesses

Nordic Void Comparison Table

Void Form Type	Low Compression Set/Creep	Maintains Resiliency with Repeated Heave Cycles	Resists Significant Deterioration when Exposed to Bitumen & Crude Oil	Resistant to Moisture and Water Ingress	Resists Bio-degradation	Resists Soil or Debris from Filling Void Space	No Poly or Plywood Protection Required during install	Resists infestation by Insects and Vermin
Nordic Void Engineered Void	YES	YES	YES	YES	YES	YES	YES	YES
Corrugated/Cardboard Honeycomb Void	N	N	N/A	N	N	N	N	N
Expanded Polystyrene Fingerboard	N	N	N	Y	Y	N	N	Y
Expanded or Extruded Polystyrene Board	N	N	N	Y	Y	N	N	Y



BENEFITS OF NORDIC VOID THERMAGUARD VS. STANDARD NORDIC VOID

- Acts as an elastomeric insulator to dissipate the up-lift forces caused by multiple frost heave and soil swell cycles. Without this protection, the transfer of force directly to pile caps, foundations, grade beams and other poured concrete forms could result in structural damage.
- Has a 40% improvement in its thermal insulation value when compared to our original Nordic Void products. When installed as an insulating flank around the foundation, TG-250 helps prevent frost from migrating under the pile cap/slab, to better reduce heave.
- More resilient with a 25% improvement in resistance to creep (i.e.: permanent loss of thickness under constant static compressive load). Testing involving multiple stress/strain cycles also shows improved resiliency, meaning that TG-250 will perform year after year.
- Nordic Void TG-250 offers a 30% increase in load bearing capacity, allowing for higher concrete pour weights and improved.

