



NORSEMAN[™]
PROTECTIVE SOLUTIONS

Fiercely Reliable[™]

CONSTRUCTION



OUT WORK.
OUT PERFORM.
OVER ACHIEVE.

CONSTRUCTION FOAM

Fiercely Reliable[™] since 1921

GEAR
PERFORM **2**



FIERCELY RELIABLE™ SINCE 1921.

Norseman Protective Solutions is the largest manufacturer and supplier of industrial fabric, foam and film protective solutions in North America. We provide customers with sustainable and durable protective solutions designed to improve operating productivity in the most challenging conditions.

GEAR2PERFORM

We make high-performing protective gear for people, products and environments. Count on Norseman gear to help you accomplish what you've set out to do. Our gear falls into these categories:

- › Industrial Fabric Solutions
- › Foam Fabrication
- › Construction Gear
- › Portable Temporary Ducting
- › Containerized Shipping Solutions

OUR FIERCELY RELIABLE COMMITMENT

Norseman has strived to be a company that customers can rely on. Our design and manufacturing teams work alongside customers to understand their projects and working environments and to develop protective solutions that help our customers *outwork, outperform and overachieve.*

MANUFACTURING EXCELLENCE

Norseman operates over 100,000 square feet of quality-controlled manufacturing facilities across North America. We can meet tight delivery requirements and supply gear year-round.

FABRIC, FOAM AND FILM EXPERTISE

Our long-term relationships with suppliers across the globe allow us to source superior materials to manufacture our high-performing protective gear.

COAST-TO-COAST CUSTOMER ACCESS

Each of our branches and distribution locations has its own unique design capabilities, expertise in engineering and manufacturing, and staff with extensive knowledge of superior industrial fabrics, foams and films. This expertise is complemented by our sales and customer-support presence across Canada and the US, ensuring that every customer has direct access and support from our team.

We are Fiercely Reliable, working side by side with our suppliers, partners and customers for 100 years.

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OUR CONSTRUCTION FOAM GEAR REFLECTS UNCOMPROMISING COMMITMENT TO OUR CUSTOMERS.

Norseman's Construction Foam Gear is a vital part of any durable foundation. Whether you need to protect a pipeline from thermal expansion damage or resist compressive creep in a large foundation, we offer a range of solutions designed to support your infrastructure and withstand the elements. Trust Norseman's Construction Foam Gear to be unwaveringly dependable.

CONSTRUCTION

CONSTRUCTION FOAM

TABLE OF CONTENTS:



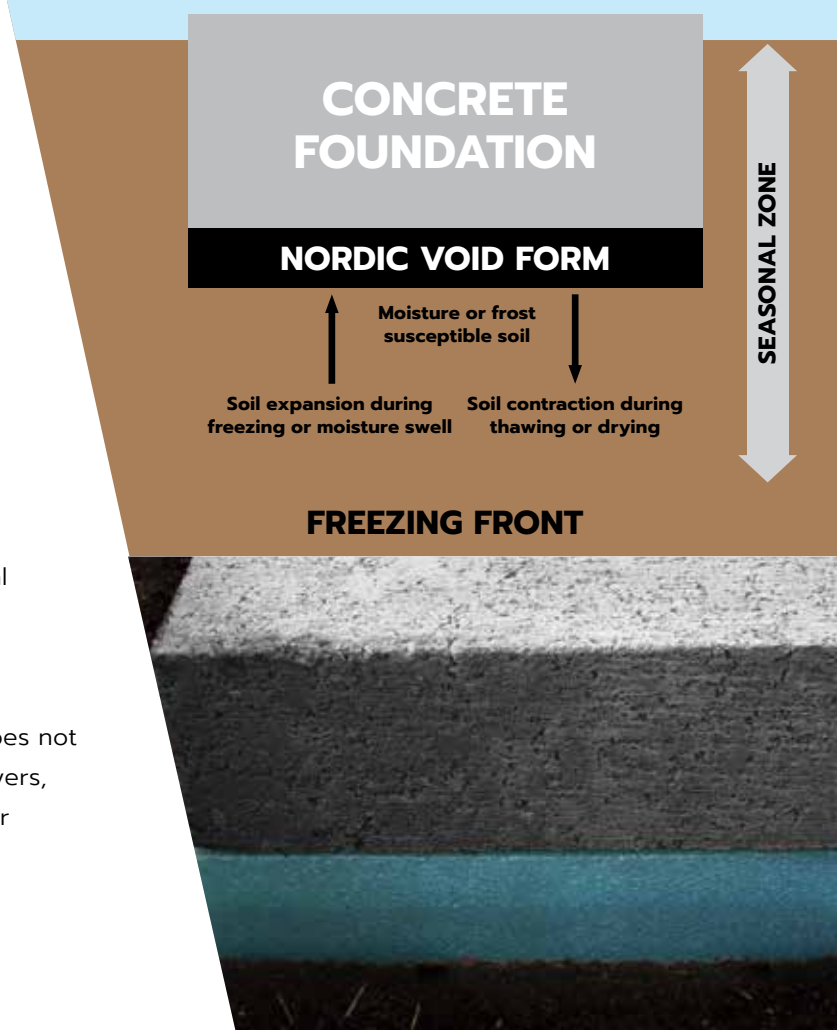
NORDIC VOID FORM

NORSEMAN'S ENGINEERED STRUCTURAL LOAD-BEARING NORDIC VOID FORM PROVIDES YOU WITH OUTSTANDING FOUNDATION PROTECTION THAT HOLDS UP THROUGH ALL SEASONS AND TEMPERATURES.

Made with highly durable closed-cell polyethylene foam, **Nordic Void Form** outlasts and outworks traditional void materials because it is designed not to biodegrade or collapse under the weight of the foundation.

Designed in three densities for easy use, **Nordic Void** does not require top decking, including plywood or protected covers, during installation, saving you valuable material and labor costs. Its insulative properties prevent thermal transfer.






Nordic Void Form is GEAR2PERFORM.



GEAR POINTS:

Features specifically designed to ensure Norseman Gear outperforms on your next jobsite.



-  **PROTECT** Protects foundations from frost heave and soil swell.
-  **WITHSTAND** Made with highly resilient closed-cell polyethylene foam. Recovers most of its thickness, preventing void space from filling with debris.
-  **RESIST** Moisture, insect, vermin, mold and hydrocarbon resistant.
-  **FIT** Planks can be bonded together to create Void Form of any thickness and shape.
-  **DELIVER** Void Form is easy to install and performs consistently over a wide range of temperatures.

GEAR INFORMATION:

PRODUCT	ITEM NUMBER	CUT SIZE
Nordic Void TM 100	380277	2" T x 48" W x 108" L
Nordic Void TM 100	380278	4" T x 48" W x 108" L
Nordic Void TM 100	380279	6" T x 48" W x 108" L
Nordic Void TM 100	380280	8" T x 48" W x 108" L
Nordic Void TM 100	380281	10" T x 48" W x 108" L
Nordic Void TM 100	409658	12" T x 48" W x 108" L
Nordic Void TM 200	380297	2" T x 48" W x 108" L
Nordic Void TM 200	380298	4" T x 48" W x 108" L
Nordic Void TM 200	380299	6" T x 48" W x 108" L
Nordic Void TM 200	380300	8" T x 48" W x 108" L
Nordic Void TM 200	380301	10" T x 48" W x 108" L
Nordic Void TM 200	409659	12" T x 48" W x 108" L

PRODUCT	ITEM NUMBER	CUT SIZE
Nordic Void TM 400	410191	2" T x 48" W x 108" L
Nordic Void TM 400	410192	4" T x 48" W x 108" L
Nordic Void TM 400	410193	6" T x 48" W x 108" L
Nordic Void TM 400	451334	8" T x 24" W x 108" L

*Additional sizes and thicknesses available upon request.

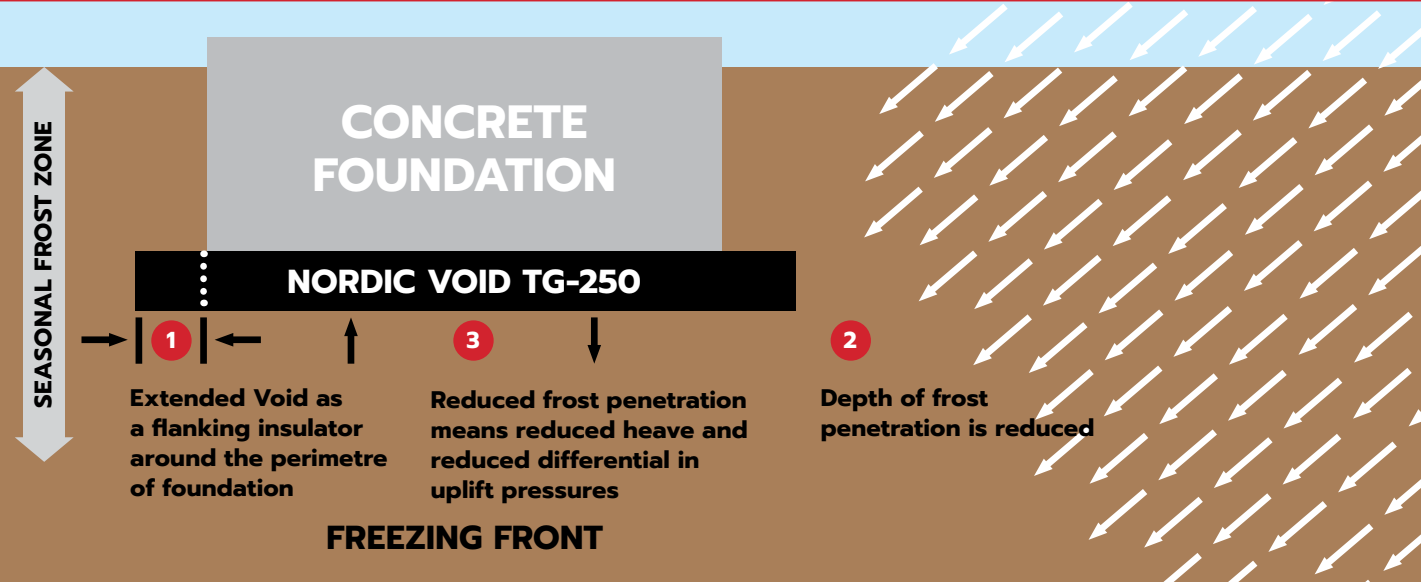
Contact Norseman today to book a lunch-and-learn to find out more about our durable, resilient **Nordic Void Form**.

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THERMAGUARD TG-250

GEAR POINTS:

Features specifically designed to ensure Norseman Gear outperforms on your next jobsite.



WHETHER YOU'RE BUILDING A BRIDGE, A MASSIVE PLANT, OR STRUCTURES FOR THE OIL AND GAS INDUSTRY, YOU NEED A STURDY, DURABLE FOUNDATION THAT STANDS UP TO VARYING TEMPERATURES AND IS FLEXIBLE ENOUGH TO RESPOND TO ENVIRONMENTAL CONDITIONS.

Traditional void materials biodegrade or collapse under foundations, which could cause structural integrity damage.

Nordic Void ThermaGuard TG-250 incorporates all the benefits of Norseman's original **Nordic Void Form** while offering improved thermal insulation and enhanced weight-bearing capacity. Where cardboard or polystyrene void form only lasts for a single compression cycle, **TG-250** lasts for years.

Custom made to your projects specifications.

Nordic Void ThermaGuard TG-250 is **GEAR2PERFORM**.



PROTECT

Prevents thermal transfer, diminishes conductive heat loss, reduces heave.



WITHSTAND

Designed for resilience using closed-cell polyethylene foam. Holds up to frost heave and soil swell and remains stable over a range of temperatures.



RESIST

Resists insects, vermin, moisture, mold, frost, bitumen, oil, hydrocarbon and diesel fuel.



FIT

Planks can be bonded to others to perfectly fit your project regardless of thickness or shape. Does not require protective OSB or plywood cover.



DELIVER

Strong, flexible polyethylene foam that withstands temperatures. Easy to use and maintains its durability.

GEAR INFORMATION:

PRODUCT	ITEM NUMBER	CUT SIZE
Nordic Void TM TG250	380277	2"T x 48"W x 96"L
Nordic Void TM TG250	380278	4"T x 48"W x 96"L
Nordic Void TM TG250	380279	6"T x 48"W x 96"L
Nordic Void TM TG250	380280	8"T x 48"W x 96"L

Contact Norseman to book a lunch-and-learn and see for yourself how our innovative **Nordic Void ThermaGuard TG-250** can protect your project.

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NOR-FLEX EXPANSION JOINTS

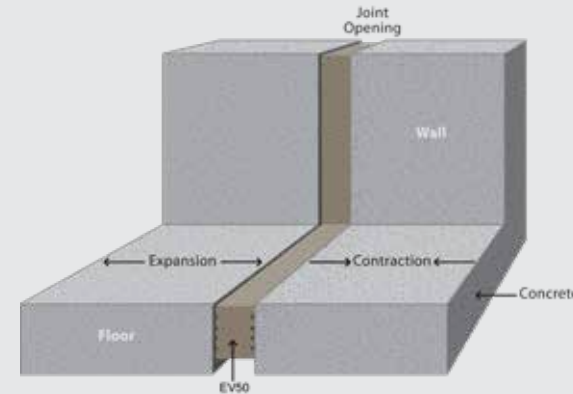
DURABLE AND BUILT TO RESIST DEGRADATION.

Fabricated with closed-cell, cross-linked Evazote foam, **Nor-Flex Expansion Joints** are the ideal way to address permanent compression set and long-term compressive creep.

When they are bonded into place, **Nor-Flex Expansion Joints** permit **compression up to 50%** and **tension up to 25%** and can be used in vertical or horizontal applications.

Available in EV50 - Grey and EV380 UV Resistant Bronze.

Nor-Flex Expansion Joints are **GEAR2PERFORM**.



GEAR POINTS:

Features specifically designed to ensure Norseman Gear outperforms on your next jobsite.



PROTECT

Prevents permanent compression set and compressive creep.



WITHSTAND

Stands up to road salts and petroleum products, made with highly resilient closed-cell, cross-linked Evazote foam.



RESIST

Water, mildew and chemical resistant. Repels debris and is not affected by hydrocarbons. EV380 provides outstanding UV resistance.



FIT

Available in a wide variety of sizes and configurations, with custom sizes available. Also available in two grades.



DELIVER

When bonded in place permits compression up to 50% and tension up to 25%. Can be used in horizontal and vertical applications.

GEAR INFORMATION:

PRODUCT	ITEM NUMBER	CUT SIZE	COLOUR
Nor-Flex Evazote 50	413003	12.5mm T x 1m W x 2m L	GRY
Nor-Flex Evazote 50	413004	25mm T x 1m W x 2m L	GRY
Nor-Flex Evazote 50	413005	30mm T x 1m W x 2m L	GRY
Nor-Flex Evazote 50	413006	40mm T x 1m W x 2m L	GRY
Nor-Flex Evazote 50	413007	50mm T x 1m W x 2m L	GRY

GEAR INFORMATION:

PRODUCT	ITEM NUMBER	CUT SIZE	COLOUR
Nor-Flex Evazote 50	413008	60mm T x 1m W x 2m L	GRY
Nor-Flex Evazote 50	413009	75mm T x 1m W x 2m L	GRY
Nor-Flex Evazote 50	413010	90mm T x 1m W x 2m L	GRY
Nor-Flex Evazote 50	413011	100mm T x 1m W x 2m L	GRY

Contact Norseman to learn more about our fiercely reliable **Nor-Flex Expansion Joints**.

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THERMAL EXPANSION BOXES

WHEN IT COMES TO UNDERGROUND PIPES, THERMAL EXPANSION CAN BE YOUR ENEMY.



It can wreak havoc on your pipeline, causing significant damage. **Thermal Expansion Boxes** are made using closed-cell, chemically stable and inert polyethylene foam (Ethafoam).

When you need a customizable, cost-effective solution to prevent damage to underground pipes caused by thermal expansion, soil stress, soil movement, and backfill operations, **Thermal Expansion Boxes** are the easy-to-install method of protecting your underground pipes.

Thermal Expansion Boxes are **GEAR2PERFORM**.

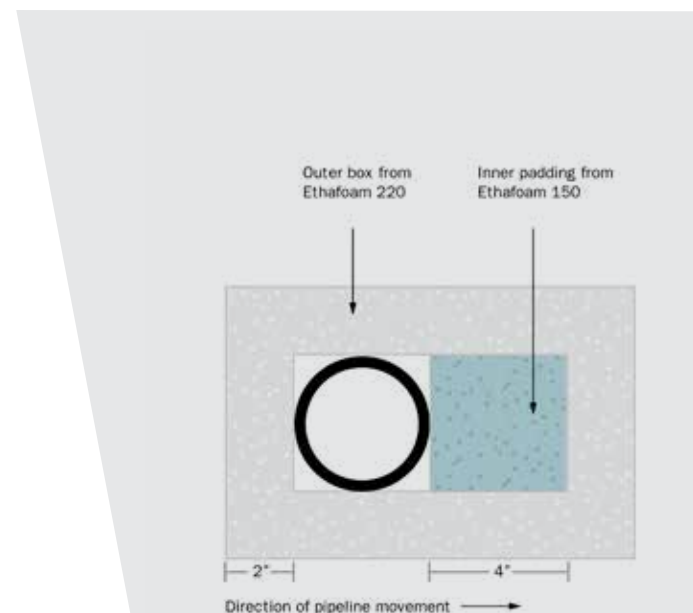


Figure 12 : T.E.B. cross section detail for 1" (25mm) of thermal expansion

GEAR POINTS:

Features specifically designed to ensure Norseman Gear outperforms on your next jobsite.



PROTECT

Protects pipes from scrapes, dents and punctures caused by backfill and environmental hazards.



WITHSTAND

Made with Ethafoam, a closed-cell, chemically stable polyethylene foam that performs over a range of temperatures and applications.



RESIST

Resists insects, vermin, mold, cracking, and degradation caused by chemical or contaminant exposure.



FIT

Customizable to each customer's specific requirements.



DELIVER

Uses multiple density construction with an inner core cushion, which yields and then recovers following expansion.

Contact Norseman to book a lunch-and-learn to see how our **Thermal Expansion Boxes** can protect your pipeline.

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Fiercely Reliable[™] FROM COAST TO COAST



Manufacturing and
Distribution Locations



Warehousing and
Distribution Locations



NORSEMAN, YOUR ONE-STOP SUPPLIER OF GEAR2PERFORM.



On-Demand Supply: With warehousing space and distribution locations across North America, we can meet tight delivery requirements and supply gear year-round.



Exceptional Service: Our diverse line of protective gear and custom solutions makes us your one-stop supplier. Our Fiercely Reliable team will find a solution to fit your business.



Superior Quality: With a commitment to excellence, we ensure our gear performs to the highest standard in the most challenging conditions.



Extensive Experience: Since 1921 we have provided our customers with industry-leading industrial Fabric, Foam and Film protective solutions for many industries.

*For more information on Norseman protective gear,
contact your local sales representative.*

CONSTRUCTION FOAM

GEAR
PERFORM **2**

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