



OUT WORK.
OUT PERFORM.
OVER ACHIEVE.

FULL PRODUCT LINE

Fiercely Reliable[®] since 1921

GEAR²
PERFORM



FIERCELY RELIABLE® SINCE 1921.

Norseman Protective Solutions is one of the largest suppliers and manufacturers of industrial fabric, foam, and film products in North America. We're committed to the highest standards of innovation, safety, and quality management. We'll find a solution for any industry.

WE MAKE GEAR²PERFORM

This obsession stems from a relentless drive to find better ways to contribute to your success through innovative thinking and new technologies.

Inspired by a belief that failure is not an option. Good gear is durable, reliable, and versatile, and you count on it to help you accomplish what you've set out to do, regardless of the weather or jobsite conditions.

At Norseman, we're committed to protecting people, products, and environments, and we look forward to helping you do the same.

COAST-TO-COAST CUSTOMER ACCESS

Each of our branches and distribution centres brings unique design capabilities, engineering expertise, and deep knowledge of industrial fabrics, foams, and films.








Our long-term relationships with suppliers around the world allow us to source superior materials to manufacture high-performing protective gear tailored to our customers' needs.

This localized expertise is reinforced by our integrated sales and customer support teams across Canada and the U.S., ensuring every customer has direct access, responsive service, and expert support wherever their business takes them.

For more than 100 years, we've worked closely with our suppliers and innovators to deliver the protective gear you count on.



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TEMPORARY HEAT DUCTING



ARCTIC HELIX HT (HIGH TEMP)

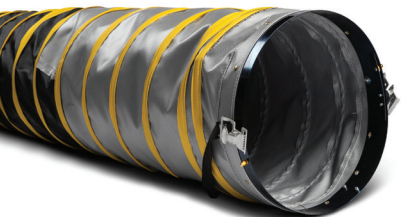
HIGH-PERFORMANCE HEAT DUCT WITH A RUST-FREE STAINLESS-STEEL COLLAR FOR DURABILITY AND VERSATILITY.

- Advanced fiberglass fabric with silicone coating stays flexible in extreme cold.
- FR Santoprene™ wear strip adds protection against rugged surfaces.
- Bi-directional design allows connection from either end.
- Suitable for both horizontal and vertical applications.
- Temperature Rating: -60°F to 500°F (-51°C to 260°C)

Available Diameters: 12" and 16"

Available Lengths: 12' or 25'

Collar Configuration: Belted Cuff/ Wire Ring and Stainless Steel Pin-Lock and QuickGrip



ARCTIC DURASHIELD PLUS

RELIABLE COLD-WEATHER DUCT DESIGNED FOR DURABILITY, HEAT PROTECTION, AND EASY HANDLING.

- 500°F-rated silicone fabric lead enhances heat protection at entry.
- Urethane-coated polyester resists water, mold, and mildew.
- FR Santoprene™ wear strip adds extra durability on tough surfaces.
- Integrated compression straps ensure easy carrying and compact storage.
- Temperature Rating: -60°F to 375°F (-51°C to 190°C)

Available Diameters: 12", 16", 18", 20" and 24"

Available Lengths: 25' on all. Plus. 12' on 12" diameter

Collar Configuration: QuickGrip / Wire Ring and Pin-Lock / Belted Cuff



ARCTIC ECONORUSH

HIGH-TEMPERATURE RESISTANT DUCT FOR TRANSFERRING AIR FROM PORTABLE HEATERS OR FANS IN HORIZONTAL APPLICATIONS.

- Withstands up to 500°F (260°C) heat at entry with a partial silicone liner.
- Made from durable urethane-coated polyester, resistant to water, mold/mildew, and fire.
- Wire helix ensures strong structure and consistent airflow.
- Safety orange color for high visibility on job sites.
- Temperature Rating: -60°F to 350°F (-51°C to 176°C)

Available Diameters: 12" and 16"

Available Lengths: 12' or 25'

Collar Configuration: QuickGrip / Wire-Ring Collars and Pin-Locks



HEAT DUCTING ADAPTERS

VERSATILE DUCTING ADAPTERS DESIGNED TO OPTIMIZE AIRFLOW FOR ANY APPLICATION.

- 500°F-rated silicone fabric ensures high heat resistance.
- Available in wye-splitters, enlargers, and reducers for custom airflow.
- Lightweight fabric replaces sheet-metal alternatives for cost savings.
- Collapsible design allows for compact storage and easy transport.

Size: 12x12x12, 16x12x12
16x16x16, 20x20x20
24x16x16

Connection: QuickGrip and 2 Wire-Ring and The 12" QuickGrip, 2 Pin-Lock

AC & VENTILATION DUCTING



AERO AIRSTREAM

DURABLE, HIGH-PERFORMANCE DUCT DESIGNED FOR MAXIMUM AIRFLOW AND RESISTANCE TO HARSH CONDITIONS.

- Smooth PE fabric interior ensures optimal airflow with minimal friction.
- Water, mold, mildew, fire, and UV-resistant for long-lasting durability.
- Wire helix and wear strip provide strong structure and added protection.
- Suspension tabs and compression straps allow for easy installation and storage.

Available Diameters: 12", 14", 16", 20", 24"

Available Lengths: 25'

Collar Configuration: QuickGrip collar—wire-ring and belted-cuff



AC EXHAUST TILE & DUCT CEILING KIT

ALL-IN-ONE INDOOR AC EXHAUST SYSTEM DESIGNED FOR EFFICIENT, QUIET AIRFLOW AND EASY INSTALLATION.

- QuickGrip collar secures to any HVAC unit without tools.
- Lightweight, tear-resistant PE fabric with a smooth interior for optimal airflow.
- Step flange design provides a strong anchor point for secure connections.
- Easy to clean, UV-resistant, and fire-rated to NFPA-701 standards.

Available Diameter: 12", 16" or 20"

Available Lengths: 8' or 15'

Tile Sizing: 24" x 24" Tile with either 12" or 16" or 20" flange diameter



AC & VENTILATION ADAPTERS

VERSATILE DUCTING ADAPTERS DESIGNED TO CUSTOMIZE AIRFLOW FOR ANY APPLICATION.

- Durable, tear-resistant PE fabric resists UV rays, water, and mildew.
- Available in Wye-splitters, elbow bends, enlargers, and reducers.
- Lightweight fabric replaces sheet-metal alternatives for cost savings.
- Compresses easily for compact storage and transport.

Available Sizes: 12" x 12" x 12" - 20" x 20" x 20"

Temperature Rating: 200°F (93°C)

Connection: 3 Wire-Ring Collars | Wire-Ring Collars | Wire-Ring/ Belted-Cuff Collars



ACCESSORIES



EVENAIR DIFFUSION DUCT

LIGHTWEIGHT, VERSATILE DIFFUSION DUCT DESIGNED TO EVENLY DISTRIBUTE AIR IN LARGE SPACES.

- Fire-retardant PE fabric is water-repellent and mold-resistant.
- 2" vent holes every 48" ensure even air distribution.
- Brass grommets every 24" allow for easy overhead suspension.
- Connects to any air units with belted-cuff or Velcro collars. End caps included with each length of duct.

Available Diameters: 12", 16" and 20"

Available Lengths: 25' or 50'

Temperature Rating:
-22°F to 200°F (-30°C to 93°C)



DISPOSABLE LAYFLAT DUCT

LIGHTWEIGHT, DISPOSABLE DUCTING FOR FLEXIBLE HEAT AND AC APPLICATIONS.

- Made from durable, water-repellent PE plastic.
- 4 mils thick for added strength and tear resistance.
- 500' rolls allow for custom-length cuts.
- Collapses when airflow stops for easy handling.

Available Diameters: 12" and 20"

Available Lengths: 500' roll

Material: Polyethylene (PE) plastic



CUSTOMIZED PORTABLE DUCTING SOLUTIONS

NORSEMAN'S PORTABLE DUCTING SOLUTIONS are manufactured in-house and can be tailored to your business requirements. Our manufacturing equipment is custom built and speeds up the process by allowing us to bulk-process fabric, wire and reinforcement assemblies. Customized options include custom ducting-pitch sizes, custom diameters ranging from 12" to 24" and a vast selection of industrial materials. If we don't have the material you're looking for, we'll find it through our network of trusted suppliers. Custom fabric and color combinations are also available; from brand-specific colors to Pantone® color-matching fabrics, our team of problem solvers can help meet your requirements.



OUR PROCESS:

DESIGN CAPABILITIES

- Starting by assessing your requirements, our team works closely with you to design and manufacture a custom solution to meet your business requirements. We offer our customers diverse design and prototyping, from product development and initial design to product modification and maintenance.

FABRIC SELECTION

- Norseman has earned a reputation with our customers as "The Problem Solvers." We understand the unique properties of industrial fabrics and how they interact over a product's life cycle. We consider the application of each protective solution before we select the material. We look at the climate, worksite temperatures, protection requirements and the environment before recommending a fabric solution from our wide range of industrial materials.

MANUFACTURING CAPABILITIES

- Proudly manufacturing in Canada since 1921, we are continuously innovating our fabrication practices by developing new equipment, automating processes and techniques, and integrating technology to ensure we stay ahead of our customers' need for durable, versatile protective solutions.

CUSTOM SPECIFICATIONS

- **Fabric:** Norseman has a wide variety of materials to choose from, including our proprietary Arctic Hyprene™ fabric. If we don't have the fabric you're looking for, we'll custom order it for you in the appropriate Pantone®.
- **Wear Strips:** Wear strips add an extra layer of protection from wear and tear and are attached to the outside of the duct during the manufacturing process.
- **Diameter:** We offer ducting from 12" to 24" in diameter.
- **Pitch:** The pitch of the wire refers to the distance between corresponding areas on two loops in the wire. Our standard pitches are 4" (return) and 6" (supply).
Note: Tighter pitch grants more duct strength but imposes greater overall rigidity.
- **Finishing:** Ducting ends can be finished with any of our connectors: belted-cuff, wire-ring, pin-lock or our new QuickGrip end collar.



JOBSITE PROTECTION



INSULATED TARPS

DURABLE, INSULATED TARPS DESIGNED TO RETAIN HEAT AND WITHSTAND HARSH CONDITIONS.

- Lightweight and flexible, even in sub-zero temperatures.
- Polyethylene closed-cell foam prevents heat loss and shifting.
- Double-stitched seams ensure long-lasting structural integrity.
- Brass grommets every 48" for secure fastening on job sites.

Available Sizes:
6' x 24' , 12' x 20' and
12' x 24'

Available Thickness: 3/16" foam
thickness with custom options
available



CONCRETE CURING BLANKETS

HIGH-PERFORMANCE CONCRETE CURING BLANKETS DESIGNED FOR SUPERIOR INSULATION IN COLD WEATHER.

- Exclusive closed-cell foam provides better thermal insulation than standard PE foams.
- Multilayer construction ensures flexibility and ease of handling.
- Double-stitched seams and full-wrap edge binding for durability.
- Brass grommets provided in corners allow for secure anchor points.

Available Sizes:
CB3- 6'x24', 12'x24'
NCB5- 6'x24', 12'x24'
NCB7- 6'x24'

Thickness:
CB3 - 3/16" (Nominal 3/8")
NCB5 - 1/4" (Nominal 1/2")
NCB7 - 3/8" (Nominal 3/4")



DEBRIS & PRIVACY NETTING

DURABLE NETTING FOR DEBRIS CONTAINMENT, DUST CONTROL, AND JOB SITE PRIVACY.

- Debris netting (40% shade) prevents trash and debris from escaping.
- Privacy netting (90% shade) provides a secure visual barrier.
- Reinforced edges with eyelets for easy attachment to scaffolding or fencing.
- Made from durable, flame-resistant polyethylene for long-lasting use.

Available Sizes:
4', 6'6" or 10'

Available Lengths: 165'

Debris Netting Standard Colors:
Green, Blue, Orange or Black



POLY CONSTRUCTION TARPS

LIGHTWEIGHT, DURABLE POLYETHYLENE TARPS PROTECT CREWS AND JOB SITES FROM EXTREME WEATHER AND DEBRIS.

- Shields against moisture, wind, and temperature extremes.
- Transparent material allows light in without color distortion.
- Available in various sizes with reinforced edges and grommets for easy installation.
- Woven coated polyethylene construction ensures durability and longevity.

Available Finished Sizes: 15' x 20',
20' x 30' and 30' x 50'

Bulk Roll Sizes: 20' x 100' and
40' x 100'.

Weight: 2.5 oz/yd²



WOVEN POLY SHEETING

DURABLE, FIRE-RETARDANT POLYETHYLENE SHEETING PROVIDES FLEXIBLE, BUDGET-FRIENDLY PROTECTION FOR CONSTRUCTION AND INDUSTRIAL APPLICATIONS.

- High-strength, lightweight woven polyethylene (PE).
- Flame-resistant (FR) coating on both sides meets safety standards.
- Packaged in bulk dispenser rolls for easy cutting and installation.
- Compatible with scaffold clips, bungees, and wire ties for secure attachment.

Available Sizes: 10' or 10' 5"

Available Lengths: 500' or 600'

Fabric Weight: 4.4 or 6.0 oz



SCAFFOLD SHEETING

LIGHTWEIGHT, SCRIM-REINFORCED POLYETHYLENE SHEETING PROVIDES DURABLE WEATHER PROTECTION AND SECURE ANCHORING FOR SCAFFOLDING AND ENCLOSURES.

- Available with 3 or 5 yellow strips for stronger anchoring points.
- Heavy-duty PE material with string reinforcement for durability.
- Withstands extreme weather, including high winds and heavy rain.
- Enhances job site visibility while containing debris and dust.

Available Sizes: 7'4" or 14"

Available Lengths: 100' or 136'

Material: Scrim-reinforced
polyethylene



SNOW REMOVAL TARP

QUICKLY CLEAR UP TO 7,500 LBS. OF SNOW FROM YOUR JOB SITE WITH NORSEMAN'S DURABLE, HEAVY-DUTY SNOW REMOVAL TARP.

- Woven PVC-coated polyester fabric for maximum strength and lift capacity.
- Reinforced corners and double zig-zag stitching for durability.
- Webbing extends through the center to evenly distribute weight.
- Water, UV, and mildew resistant with a -40°F cold crack rating.

Size (Dimension):
20' x 20' - 4 loops
and 25' x 25' - 8 Loops

Weight Capacity: 7,500 lbs.
(3,400 kg)



CONSTRUCTION FOAM



NORDIC VOID™ FORM

PROTECT FOUNDATIONS FROM FROST HEAVE AND SOIL SWELL WITH DURABLE, MOISTURE-RESISTANT CLOSED-CELL POLYETHYLENE FOAM.

- Engineered for structural load-bearing with long-term resilience.
- Three grades available for specific application needs.
- Easily bond planks to achieve custom thickness and shape.
- High compression recovery ensures lasting performance.

Size (Width): 48"

Size (Length): 108"

Size (Thickness): 2" to 12"

NOR-FLEX EXPANSION JOINTS

NORSEMAN NOR-FLEX EXPANSION JOINTS PROVIDE DURABLE PROTECTION AGAINST COMPRESSION SET AND LONG-TERM CREEP IN STRUCTURAL CONSTRUCTION.

- Made from resilient, closed-cell, cross-linked Evazote® foam.
- Resistant to chemicals, road salts, and petroleum products.
- Allows 50% compression and 25% tension when bonded.
- UV-resistant grade available for added durability.

Size (Width): 1 m

Size (Length): 2m

Size (Thickness):
12.5mm - 100mm

THERMAL EXPANSION BOXES

NORSEMAN'S THERMAL EXPANSION BOXES PROTECT UNDERGROUND PIPES FROM DAMAGE CAUSED BY THERMAL EXPANSION, SOIL STRESS, AND BACKFILL OPERATIONS.

- Made from closed-cell, chemically stable polyethylene foams.
- Inner core cushion absorbs expansion and recovers.
- Lightweight, flexible, and easy to install in low temperatures.
- Resists damage from chemicals, hydrocarbons, and environmental factors.

Available Size:
1" - 42"

Material: Fabricated from resilient, closed-cell, chemically stable, and inert polyethylene foams

THERMAGUARD TG-250

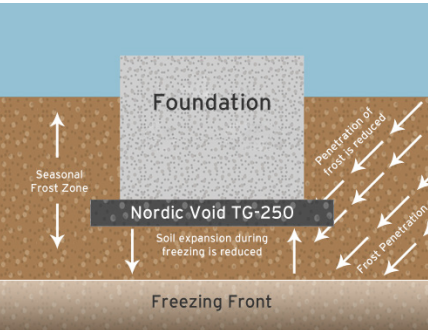
NORDIC VOID THERMAGUARD TG-250 PROVIDES DURABLE, INSULATING SUPPORT AROUND CONCRETE FOUNDATIONS TO REDUCE FROST PENETRATION AND IMPROVE LOAD-BEARING CAPACITY.

- Made from closed-cell polyethylene foam for superior insulation.
- Withstands frost heave, soil swell, and temperature extremes.
- Resists moisture, vermin, and contaminants.
- Maintains structural integrity under live pours and static loads.

Size (Width): 48"

Size (Length): 96"

Size (Thickness): 2" to 8"



EQUIPMENT PROTECTION



DRILLING RIG ENCLOSURES

NORSEMAN'S RIG ENCLOSURES PROVIDE DURABLE, WEATHER-RESISTANT PROTECTION TO KEEP DRILLING OPERATIONS RUNNING SAFELY AND EFFICIENTLY YEAR-ROUND.

- Customizable design to fit specific rig requirements.
- Quick, easy setup with no-weld handrail clamps and pin-and-pocket frames.
- Made with Arctic Hyprene™ fabric for long-lasting durability.
- Fully disassembles for easy shipping and storage.



TANK & SKID ENCLOSURES

NORSEMAN'S TANK AND SKID ENCLOSURES PROTECT MUD TANKS FROM RAIN AND FREEZING TEMPERATURES WHILE SHELTERING CREWS AND EQUIPMENT.

- Custom-fit design for quick setup and takedown.
- Independent fabric walls and roof for flexibility.
- Built with durable Arctic Hyprene™ fabric and CSA-compliant steel framework.
- Can remain installed during transport for convenience.



NOISE & DUST CONTROL ENCLOSURES

NORSEMAN'S INDUSTRIAL NOISE AND DUST ENCLOSURES REDUCE MACHINERY NOISE AND DUST EMISSIONS WHILE ENSURING A SAFER WORK ENVIRONMENT.

- Customizable size, materials, and access options.
- Easy installation with a pin-and-pocket system, no structural modifications needed.
- Durable CSA-compliant steel framework and weather-resistant fabric.
- Can remain in place during transport or be quickly removed for storage.



For more information, contact your local Norseman specialist or visit our website.

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SHELTERS & UTILITY TENTS

SITEPRO M-SERIES LIGHT DUTY TENTS

NORSEMAN'S SITEPRO M-SERIES LIGHT DUTY TENTS ARE ULTRALIGHT, COMPACT, AND PROVIDE RELIABLE PROTECTION FROM WIND, RAIN, AND HARSH CONDITIONS.

- Quick and easy one-person setup.
- Made with 6 oz. flame-resistant fabric and rust-resistant galvanized tubing.
- High-visibility reinforced doors and ventilation openings.
- Compact design fits in most vehicles for easy transport and storage.

SITEPRO W-SERIES HEAVY DUTY TENTS

THE SITEPRO W-SERIES TENT IS A DURABLE, FLAME-RESISTANT WELDING AND UTILITY TENT DESIGNED FOR LONG-TERM PROJECTS IN EXTREME WEATHER CONDITIONS.

- Made with 14 oz. high-tear, flame-resistant fabric, rated to -49°F (-45°C).
- Withstands high wind and snow loads when properly anchored.
- Hooks allow for easy repositioning by crane while fully assembled.
- Quick one-person setup with a collapsible, rust-resistant galvanized frame.

WALL TENTS

NORSEMAN'S CANVAS WALL TENTS ARE BUILT TO WITHSTAND EXTREME WEATHER, USING DURABLE, FIRE-RESISTANT COTTON CANVAS FOR RELIABLE SHELTER IN RUGGED CONDITIONS.

- Made with 10.10 oz Sunforger-treated, fire-resistant, water-repellent cotton canvas.
- Reinforced stress points and woven poly sod cloth seal the tent on uneven ground.
- Three zippered windows and a full insect-screen front door for ventilation.
- Includes a 6" stove pipe ring and optional lightweight aluminum frame.

BUILDING COVERS AND END PANELS

NORSEMAN'S CUSTOM-FIT SHELTER ENCLOSURES PROVIDE DURABLE PROTECTION FOR TEMPORARY OR PERMANENT JOB SITE NEEDS.

- Designed for both new and existing shelters.
- Quick, easy setup and takedown with labeled fabric components.
- Customizable sizes with options for cutouts or roll-up flaps.
- Expert in-house designers help select the best materials for your environment.

ENVIRONMENTAL PROTECTION

PORTABLE SECONDARY CONTAINMENT BERMS

NORSEMAN'S PORTABLE SECONDARY CONTAINMENT BERMS PROVIDE RELIABLE JOB SITE PROTECTION AGAINST CONTAMINATION, SMALL LEAKS, AND SPILLS.

- Quick and easy setup, lightweight for transport and storage.
- 6" plank or 3" round enclosed foam walls retain shape and can be driven over.
- Available in stock sizes from 2' x 2' to 6' x 8' with Hyprene™ XC fabric.
- Custom fabric options and sizes available for specific containment needs.

Size (Width): 2' - 6'

Size (Length): 2' - 8'

Berm Walls: 6" plank or 3" round foam

Cold Crack: -13°F (-25°C) to -67°F (-55°C)

L-ROD SECONDARY CONTAINMENT BERMS

NORSEMAN'S L-ROD SECONDARY CONTAINMENT BERMS PROVIDE COST-EFFECTIVE SPILL CONTAINMENT FOR LARGER EQUIPMENT AND VEHICLES, PREVENTING GROUND CONTAMINATION.

- 12" berm walls supported by L-shaped galvanized metal brackets for durability.
- Tested welds ensure maximum containment performance.
- Quick and easy setup, collapsible for transport and storage.
- Available in stock sizes or custom fabric and size options to meet specific needs.

Size (Width): 6' - 12'

Size (Length): 8' - 16'

Berm Walls: 12"

Cold Crack: -22°F (-30°C) to -67°F (-55°C)

MANHOLE COVERS

NORSEMAN'S MANHOLE COVERS PROVIDE A TEMPORARY PROTECTIVE BARRIER TO KEEP DEBRIS OUT OF SEWER SYSTEMS AND PREVENT GAS EMISSIONS.

- Made with heavy-duty, water-resistant 18 oz vinyl for durability and reuse.
- Bright yellow fabric ensures high visibility and worker safety.
- Available in round or square styles with silica-sand-filled or rope perimeters and carry handles.
- Custom sizes available to meet specific job site requirements.

Size: 40"x 40" Square or 36" Round

Material: heavy-duty 18 oz. vinyl with silica-sand-filled or roped hem



INDUSTRIAL PRODUCTS



INDUSTRIAL DIVIDER CURTAINS

NORSEMAN'S INDUSTRIAL CURTAIN WALLS PROVIDE A COST-EFFECTIVE WAY TO ISOLATE EQUIPMENT, PROTECT WORKERS, AND CONTAIN DUST, NOISE, AND DEBRIS.

- More affordable and flexible than permanent walls, with quick installation and removal.
- Helps maintain temperature and reduce heating and cooling costs.
- Customizable in color, size, vision panels, and materials.
- Ideal for dividing workspaces and controlling smoke, dust, sparks, and overspray.



TARPAULINS

NORSEMAN'S ANTI-STATIC, FLAME-RESISTANT CANVAS TARPS PROVIDE DURABLE PROTECTION IN ENVIRONMENTS WITH SPARK RISKS.

- Made from 17.6 oz treated canvas duck, resistant to water, rot, mildew, and flames.
- Reinforced with a no-rip strip system for stronger grommet support than rope hems.
- Triple-stitched seams, full 2" reinforced hem, and brass grommets every 24".
- Ideal for temporary enclosures, construction wrap, containment covers, and debris control.

Size (Width): 3' - 20'

Size (Length): 6' - 100'

Tarpaulins: Deluxe Canvas Tarp | Belly Tarp | Cat Curtain



PIPELINE COOLING BLANKETS

NORSEMAN'S PIPELINE COOLING BLANKETS PREVENT WELDING CRACKS BY GRADUALLY COOLING STEEL PIPES AND PROTECTING WORKERS FROM BURNS.

- Made with a canvas exterior and lined with 1" fiberglass insulation and glass cloth for heat protection.
- Easy to secure with an elastic strap and S-hook for a tight fit.
- Glass-cloth temperature rating of 1,000-1,500°F (538-815°C).
- Available in adjustable and standard sizes in 9" and 12" widths.

Max. Pipe Diameter: 9" - 12"

Size (Length): 21" - 165"

Size (Diameter): 3" - 48"



TOP DRIVE SERVICE LOOPS

SAFEGUARD CABLES, PREVENT DAMAGE, AND REDUCE DOWNTIME WITH DURABLE, WEATHER-RESISTANT COVERS.

- Reinforced ballistic nylon (1680 denier) for durability and cut resistance.
- Fire-resistant fabric tested to meet Fed. Std. 191A, Method 5903 and NFPA 701 standards.
- High-performance hook-and-loop fasteners and secure tie-down webbing (10,000 lb break strength).
- Easy to remove for maintenance without removing the cover, reducing rig downtime.

Size (Width): 55' and 75'

Material (Cover): Cut-Resistant Heavy-Duty Ballistic Nylon

Tie-Down Webbing (Straps): 2" tie-downs every 4'

CONTAINERIZED SHIPPING SOLUTIONS



AGRICULTURAL FULL LINERS

NORSEMAN'S AGRICULTURAL LINERS OFFER FOOD-GRADE PROTECTION, TRANSFORMING CONTAINERS INTO DRY, CONTAMINANT-FREE TRANSPORT FOR BULK PRODUCTS.

- Facilitates loading of bulk agricultural products in intermodal containers.
- Built-in bulkhead secures products and prevents spillage.
- Durable, leak-proof coated PE fabric with welded seams.
- Quick installation with adjustable straps and connectors; custom options available.

Standard Container Sizes: 20' or 40'

Install Requirements: Five steel bracing bars (A500 or A53) | Norseman recommends a bar 1.66" OD x .125" wall minimum x 94.5" long or square tube equivalent.



AGRICULTURAL PARTIAL LINERS

NORSEMAN'S LINERS QUICKLY TRANSFORM SHIPPING CONTAINERS INTO DRY, CONTAMINANT-FREE FOOD-GRADE SYSTEMS FOR AGRICULTURAL PRODUCTS, AVAILABLE IN STANDARD SIZES FOR EASY INSTALLATION.

- Upgrades intermodal containers to food-grade protection for agricultural shipments.
- Durable coated polyethylene fabric with no-leak welded seams ensures contaminant-free transport.
- Lightweight, flexible design for easy handling and installation with cable ties for secure suspension.
- ISO 9001-certified production and compatible with Norseman bulkhead systems.

Standard Container Sizes: 20' or 40'

High-Cube (HC) Container Sizes: 40" Intermodal Containers: 53"

Install Requirements: Requires the use of a bulkhead, which provides the fourth wall.



RESIN & CHEMICAL FULL PE LINERS

NORSEMAN'S DRY-BULK LINERS CONVERT INTERMODAL CONTAINERS INTO CONTAMINATION-FREE TRANSPORT SYSTEMS FOR GRANULAR PRODUCTS LIKE RESINS AND FERTILIZERS, MADE FROM LIGHTWEIGHT, FLEXIBLE POLYETHYLENE FOR EASY HANDLING AND INSTALLATION.

- Protects products from contaminants in intermodal containers.
- Made from coated polyethylene fabric or film with no-leak welded seams.
- Lightweight, flexible design for easy handling and installation.
- Custom options available; ISO 9001-certified production facility.

Standard Container Sizes: 20' or 40'

High-Cube (HC) Container Sizes: 40"



CONTAINMENT LINERS

NORSEMAN'S LEAKPROOF LINERS CONVERT INTERMODAL CONTAINERS INTO CONTAMINANT-FREE TRANSPORT SYSTEMS, OFFERING MAXIMUM PROTECTION FOR PRODUCTS LIKE ANIMAL HIDES AND CONTAMINATED SOIL.

- TUFF LINER- Double-layered, 51 mil floor with felt for superior strength, brine absorption, and puncture protection.
- DURA LINER- 20 mil double-coated floor with 12 mil walls, compact packaging for reduced freight and storage costs.

Standard Container Sizes: Fits 20' or 40' standard ISO containers

Material: Coated woven Polyethylene (PE) fabric

For more information, contact your local Norseman specialist or visit our website.

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CONTAINERIZED SHIPPING SOLUTIONS



BULKHEAD SYSTEMS

NORSEMAN'S LIGHTWEIGHT, EASY-INSTALL BULKHEAD SYSTEM IS A COST-EFFECTIVE SOLUTION FOR RESTRAINING DRY BULK COMMODITIES WITH SIMPLE, ONE-PERSON INSTALLATION AND SCORED FLAPS FOR EASY DISCHARGE.

- Restrains bulk commodities like grains, lentils, and soybeans.
- Heavy-duty double-wall corrugated cardboard with scored flaps for easy installation.
- Lightweight, cost-effective, and can be installed by one person.
- Pre-punched for handle placement, with multi-brace markings for Norseman Bracing System (NBS).

Standard Container Sizes:
Fits 20' or 40' standard ISO containers

Install Requirements:
Steel bar 1.66" OD x .125" Wall x 94.5" length or square tube equivalent OR Wood 2x4, 91 5/8" long #2 or better HD stamped



NORSEMAN BRACING SYSTEM

NORSEMAN'S ENGINEERED, PATENTED, AND 100% RECYCLABLE LOADING SOLUTION ENABLES EASY ONE-PERSON INSTALLATION, SECURELY BRACING BULK AGRICULTURAL PRODUCTS IN INTERMODAL CONTAINERS WITHOUT THE NEED FOR TIES.

- Facilitates loading and restraining bulk agricultural products in intermodal containers.
- Patented engineered bracing system (USA Patent #8459916, Canada Patent #2684216) for FIBCs and bagged products.
- Includes corrugated bulkhead, wood bracing, and restraining caps; cost-effective alternative to steel bars.
- Easy one-person installation, 100% recyclable, and compatible with Norseman Agricultural Partial Liner.

DESICCANTS

PROTECT YOUR CONTAINERIZED GOODS FROM MOISTURE DAMAGE. DESICCANTS ABSORB HUMIDITY AND PREVENT CONDENSATION IN CONTAINERS SO YOUR CARGO ARRIVES IN OPTIMAL CONDITION.

- High absorption capacity, protecting against moisture and container rain during shipments.
- Fast absorption rate with leak-proof, robust, and stable packaging.
- Long-lasting, effective for over three months if not saturated.
- Environmentally friendly, non-toxic, and approved for use in food and agricultural transport.

DUNNAGE AIR BAGS

NORSEMAN'S DUNNAGE AIR BAGS SECURELY STABILIZE PALLETIZED LOADS IN TRAILERS OR CONTAINERS, PREVENTING PRODUCT SHIFT MORE EFFECTIVELY THAN WOOD BLOCKING OR OTHER BRACING METHODS.

- High-strength, composite polyethylene and polypropylene material for secure load bracing.
- Cost-effective, quick-to-use solution that minimizes load shift and vibration.
- Reusable, easy to deflate, and 100% recyclable materials.
- Custom sizes and inflation tools available upon request.



FOAM FABRICATION

5P PRODUCT DEVELOPMENT PROCESS



PRODUCE

Create cost-effective custom protective solutions manufactured from materials we trust.



PROTOTYPE

Develop functional prototypes for pre-production validation and verification.



PRODUCTION

Coast-to-coast manufacturing capabilities, with in-house integrated ERP technology and cross-border logistics with on-time worry-free delivery.



PEOPLE

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



PERFORM

Reliable protective solutions that help our customers outwork, outperform and overachieve.



COAST TO COAST MANUFACTURING

- Operating over 100,000 square feet of quality controlled facilities across Canada.
- In-house design and technical team.
- In stock domestic and imported foams—if we don't have it, we will get it.
- Norseman's QMS at our Langley, BC facility is certified as being in conformity with ISO 9001:2015 and ISO 13485:2016 by Intertek.



CAPABILITIES

- | | | |
|-------------------------------------|--------------------------|-----------------------------|
| • CNC Routing | • Die-cutting | • CNC Waterjet Cutting |
| • Close-Tolerance Splitting | • Foam Laminating | • Fabric-to-Foam Lamination |
| • Thermoforming/Compression Molding | • Profile Cutting | • CNC Hot Wire Cutting |
| • Large-Format Die-Cutting | • Assembly and Packaging | • In-house Tooling design |



MATERIALS WE TRUST

Proper material selection for foam solutions requires a clear understanding of the specific application requirements, including properties like density, rigidity, and any unique characteristics, such as fire-resistance (FR) ratings.



DENSITY

Our foams range in density from 1.0 lb./ft. to 12.0 lbs./ft., offering different levels of protection and flexibility based on the application.



RIGIDITY

The choice of foam depends on the application. Soft, comfortable foams are suitable for sports and leisure, while higher-density foams are better suited for industrial and outdoor recreational products.



UNIQUE PROPERTIES

Foam grades are tailored to specific uses, including hypoallergenic grades for medical settings, marine-grade SOLAS-approved foams, FR-rated options for vertical burn test certificate applications, and Static Dissipative and Conductive grades for sensitive components.



SUSTAINABILITY

Norseman believes in successful, sustainable business practices as we strive to reduce waste to landfills with low-density foams.



For more information, contact your local Norseman specialist or visit our website.

1.800.268.1918

NORSEMANSOLUTIONS.COM



FOAM FABRICATION



CASE & PACKAGING

- Custom CNC-cut foam inserts for cases and packaging are made to your exact layout, ensuring a precise fit for tools, instruments, or components.
- Designed for presentation and protection, with multi-depth cavities, color options, and 3D-engineered precision.

Examples: Drone Case Insert • Consumer Product Packaging Inserts • Camera Equipment Inserts • Tool Inserts • Mechanical Case Inserts



FOAM PACKAGING

- Norseman designs custom, reusable foam packaging solutions that protect products during transit, reduce shipping costs, and are tailored to unique part contours for high-level protection.
- Our team uses advanced design software and industry-leading fabrication tools to create precise, cost-effective foam packaging for specialized industries.

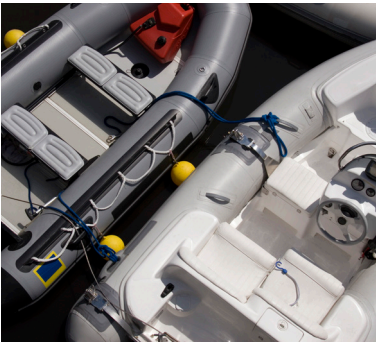
Examples: Medical Grade • End Caps & Inserts • Cushion & Protective • Electronics • Tools • Auto Parts • Breakables



MARINE APPLICATIONS

- Norseman provides custom marine foam solutions designed to withstand harsh marine conditions, offering expert guidance on materials that meet industry standards, including SOLAS.
- With access to a wide range of high-performance and exclusive foams, we deliver durable, tailored products for everything from fishing boats to cruise and cargo ships.

Examples: Boat and Marine Foam Components • Seal and Gasket Foam • Defense Marine Flotation Requirements • Flotation Foam Products



MEDICAL APPLICATIONS

- Norseman designs and fabricates custom foam solutions for medical devices and healthcare applications, including braces, orthopedic supports, and sensor stabilization.
- With ISO 9001:2015 and ISO 13485:2016 certified processes, we meet strict regulatory standards to deliver reliable, patient-safe foam products.

Examples: Orthopedic braces • Orthotics • Clamp pads, Suture holders • Surgical device packaging • Orthopedic implant packaging



SAFETY PROTECTION

- Norseman delivers custom foam and fabric solutions for personal protection equipment, offering durability, comfort, and safety across sporting, recreational, and leisure applications.
- Our protective foams are UV-resistant, water-resistant, antimicrobial, and perform in extreme temperature and moisture conditions.

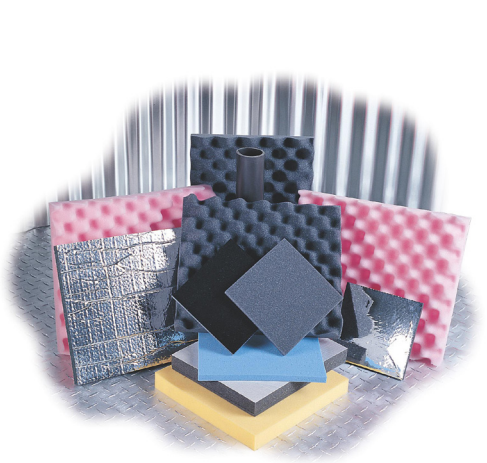
Examples: Military Application • Crash Pads • Padding Components for the Body • Protective Eyewear Components • Molded Closed Cell Foam Protected Pads



SPORTS, RECREATION & LEISURE

- Custom foam solutions for sports, recreation, and leisure provide essential protection, comfort, and durability for both professional and recreational use.
- Continuous innovation in foam fabrication techniques ensures high-performance, versatile products for a wide range of applications.

Examples: Sporting Good & Equipment Foam Components • Athletic Mat & Matting Foam • Crash Pads & Padding Foam • Canoe and Kayak Seating • Exercise Equipment Foam



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.*

FULL PRODUCT LINE

GEAR
PERFORM **2**

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