



FOOD PROCESSING PLANT

MEETING FOOD AND SAFETY REQUIREMENTS

The key for quality and freshness of food resides in the quality of its processing and preservation environment. Therefore, food needs to be kept in sheltered and controlled environments ensuring these standards are met during the entire process. Whether meat and poultry, fruits and vegetables or dairy and egg products, manufacturers require reliable, safe and energy efficient environments.

THE RIGHT INSULATION FOR ENERGY EFFICIENCY

Food must be stored in environments with specific temperatures and humidity levels to maintain cold chain. Norbec's products provide the right insulation to ensure temperature is maintained and kept constant.

Custom projects that require large storage spaces, controlled energy efficiency and optimized labour effectiveness is offered using a variety of products. Norbec's production equipment allows the fabrication of large panels, which can either be continuous or camlock panels. The insulated panels and supplied accessories are designed to ensure optimized and quick assembly to adapt to any project type.

PANEL

* Panel thickness will vary depending on width and applications, refer to Noroc and Norex technical sheets available at norbec.com. For specific information about dimensions as well as projects ranging from standard to custom sizes, please contact your local representative.

Insulated metal panels offer multiple advantages such as superior insulation, durability and ease of installation as well as meeting strict health and safety requirements. The advantage of insulated metal panels, which has made it an increasingly popular choice, resides in the fact that it is installed in one simple step once arrived on site. Whereas traditional frame-and-drywall constructions require up to eleven steps, which can lead to longer installation time and inconsistency, this lightweight product requires less time and installation labour. The panels can be used in multiple sectors of activity for interior or exterior needs and are offered in a wide range of colours and finishes. For food processing plants, the choice of continuous panels is most often used as it covers a greater surface area while still delivering peak performance, it is the ideal economic and robust solution.

Norex

Norex is a polyisocyanurate (PIR) core panel designed for highly efficient buildings. In addition to being ideal for interior partitions or suspended ceilings, this panel offers unparalleled thermal value, as well as providing fire protection barriers. Norex is designed with an equalization compartment preventing water from being drawn inward therefore reducing the risk of water and moisture infiltration.

Panel thickness available* : 2, 3, 4, 5 and 6 inches.

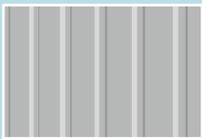
Noroc

Noroc is a high performance, fire-rated insulated architectural panel. It has a mineral core made of a rigid stone-fibre insulation board composed of natural basalt rock and recycled slag. Because of its composition, this product offers excellent fire resistance properties in addition to meeting health requirements. The core's natural inorganic content yields an environmentally friendly, fully recyclable panel.

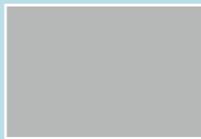
Panel thickness available* : 4, 5 and 6 inches.

COLORS AND FINISHES

Profiles



Fluted



Smooth

Available under certain circumstances.



Silkline (striated)

Embossed options are available for every color and profile, contact your local representative for more information.

Interior colors



Advantica-L control - G90
available in 24 Gauge



Imperial White - G90
available in 24 and 26 Gauge



Stainless Steel #4 2b embossed
available in 24 Gauge



White 5216 - G60
available in 26 Gauge



White White - G90
available in 26 Gauge



Bright White - G90
available in 26 Gauge

Exterior colors

Consult the Color Guide Brochure for the complete assortment of colors in the Building Envelope section at norbec.com.

JOINTS AVAILABLE



Norex - S Joint



Norex - L Joint



Noroc - L Joint

CERTIFICATIONS



HIGHLY RESISTANT FINISHES

Food processing environments demand products that are highly resistant against corrosion, staining and have lasting performance. This can be achieved with Norbec's selection of stainless steel or Advantica-L® finish.

Advantica-L® is a highly durable pre-finished steel made up of a PVC outer layer conforming to the stringent requirements of food safety. Having superior properties to corrosion, stains and food emissions as well as being anti-static reducing the attraction of dust and dirt, Advantica-L® and stainless steel are incomparable for this industry. Meeting strict regulations means easier maintenance and durability against highly chemical cleaning agents.

These finishes can also be used in laboratories, clean rooms, data centers, medical wards and other environments which are required to be clean and controlled at all times. For more information: please visit norbec.com.

CUSTOM DOORS

Specializing in manufacturing custom products, Norbec has earned a solid reputation for the quality and sturdiness of their doors. Each door is individually designed and manufactured in-house offering durability and flexibility which is not found on the market. Throughout the conception to production, at every step of the process, the concern for quality is vital. In addition to providing superior insulation properties and enhanced waterproof sealing, the doors are designed to withstand daily activities for the years to come.

For more enquiries about the assortment of doors offered as well as more technical information, consult Norbec's door brochure or technical sheets available at norbec.com.

Hinged:

- > Offset hinged door
- > Flush hinged door
- > Heavy duty hinged door (with aluminium frame)
- > Heavy duty bi-partition hinged door
- > Blast freezer door
- > Heavy duty door with overhead openings (typically for railings)

Sliding

- > Heavy-duty sliding door (with aluminium frame)
- > Bi-partition sliding door (with aluminium frame)
- > Heavy duty sliding with overhead openings (typically for railings)

Other Door Options

- > Traffic doors (single or double)
- > Glass doors

For the other door options, contact your local representative to ensure availability and lead time.

CEILING

Panels can be used as ceilings, needing no extra support, for a maximal width of 12 feet, commonly known as a self-baring ceiling. Once the width exceeds 12 feet, the ceiling must be fixed to the structure for security reasons. Pedestrian traffic is permitted, if built under certain regulations, giving easy access for maintenance purposes. The possibility of having concealed ceiling suspensions for Norex-L and Noroc-L are also offered.

ACCESSORIES

A wide range of accessories are available from standard to specific products. Listed below are the most commonly used accessories in food processing applications. For any specific product needs, contact Norbec directly, regardless of the complexity and specificity of the project, Norbec will provide a complete solution for any need.

1. Window Frames

- > PVC
- > Stainless steel
- > Heated (frame and window)

2. Door Accessories

- > Heavy duty hinges (standard, stainless, powder coated)
- > Handles (standard, stainless, powder coated)
- > Hydraulic door closer
- > Panic bar

3. Rounded Corners made of PVC trims

4. Starting Screed (can be hidden if desired)

5. Protection Bumper

- > Stainless steel
- > Recycled plastic
- > High Density Polyethylene (HDPE)

6. Protection Plates

- > Stainless steel
- > Smooth
- > Galvanized
- > Thread plate (diamond shape)

7. Pressure Relief Valve

8. Motion Sensor for Lights

9. High Bay Light Fixture



Quality

Norbec ensures quality and durability throughout its custom-made products to fit each client's specific needs. Only high grade components are used in the conception of our products and frequent quality controls are performed throughout the manufacturing process to ensure compliance with the strictest food safety and building code regulations. When products are released from factory, Norbec ensures they reach their destination in optimum condition. With more than 35 years of expertise in product development, Norbec has earned the trust of its customers through the quality and service offered.

Customer-Centred Approach.

Norbec prioritises customer feedback and, along with the latest trends, guarantees to always meet present and future regulations, thus securing durability & performance of our products. Beyond their daily tasks, our teams provide continuous improvements to our processes, our products and the services provided by our organization.

Technical Support & Customer Service

Finding accurate solutions quickly and providing exceptional after-sales service and support is the main goal of our technical support & customer service teams. We rely on the integrity of our team to deliver consistent excellence servicing. Working together to provide on-time delivery, personal assistance and expert application engineering. Norbec takes pride in delivering top quality products, service, solutions and support promptly, always and anywhere.

NEED EXPERTISE AND ADVICE?

Norbec is a partner in any project by offering expertise and advice on specific products for all types of specifications no matter the complexity. Our dedicated team provides all the technical support required to help you complete your projects.

Norbec

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For more information about Norbec products, please visit **[norbec.com](https://shop.norbec.com)** To order your parts online or find out more related information, visit **<https://shop.norbec.com/magasin/en/>**.



All information provided in the present document is available at the time of printing. However, please note that following Norbec's improvement policy, we reserve the right to carry out amendments at any time and without prior notice. Printed in Canada, August 2018.