FORTRESS BUILDING PRODUCTS

VOLTROS
Fortress Non-Conductive

FORTRESS NON CONDUCTIVE FENCING

Fiberglass reinforced plastic (FRP) products that combine corrosion resistance, strength, durability, safety, and low maintenance to provide a longer lasting solution for industrial and commercial applications. Variety of product lines are often used in conjunction with one another to create a complete FRP solution that will meet customer and industry requirements for non conductive/non corrosive security fencing systems. These systems are designed to provide protection and security in numerous areas that require a non-magnetic, thermally and electrically non conductive or non corrosive fence or panel system.

ELECTRICALLY & THERMALLY NON CONDUCTIVE

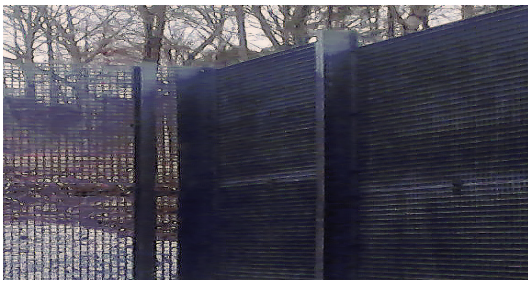
CORROSION RESISTANT

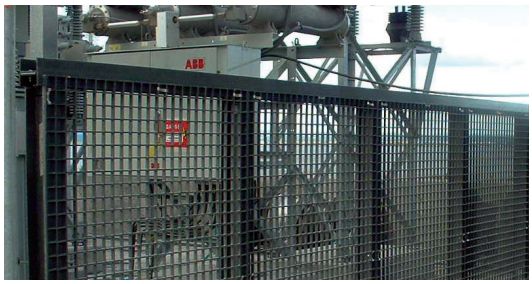
IMPACT RESISTANT

DEFEND · AGAINST · THE ORDINARY

APPLICATIONS

- Power Utility Sites
- Isolation Fences
- Gas Sites
- Airports - Radar Sites
- Manufacturing Plants
- Any Corrosive Environment





PRODUCT DETAILS & BENEFITS

PRODUCT*	DEPTH	MESH	PANEL SIZES	COLOR	RESIN
Molded Grating	1"	1-1/2" x 1-1/2"	3' x 10', 4' x 8', 4' x 12'	Dark Gray	Corvex®
	1"	2" x 2"	4' x 12'	Dark Gray	Corvex®
	1-5/8"	1-1/2" x 1-1/2"	3' x 10', 4' x 8', 4' x 12'	Dark Gray	Corvex®
	1"	3/4" x 3/4"	4' x 12'	Dark Gray	Corvex®
PRODUCT	**AVAILABLE SHAPES***			**COLOR**	**RESIN**
Structural Shapes	I-beams, wide flange beams, channel bars, and angle			Dark Gray	ISOFR

ISOFR: Isophthalic polyester resin formulation that offers resistance to a wide range of corrosive conditions and also provides a low flame-spread rating of 25 or less (when tested according to ASTM E-84).

Corvex®: Isophthalic polyester resin system that outperforms a number of competitive fiberglass and metal products. Corvex meets the requirements for corrosion resistance found in industrial and chemical applications and has a flame spread ASTM E84 rating of 25 or less.

** Additional products or resins are available depending on customer requirements*

PROVEN PERFORMANCE. SMARTER SOLUTIONS.

FortressBP.com | 866.323.4766

ISO 9001 QUALITY MANAGEMENT SYSTEM CERTIFIED

Heavy Metal SAFE
Arsenic Barium Cadmium Chromium Lead Mercury Nickel Selenium Silver

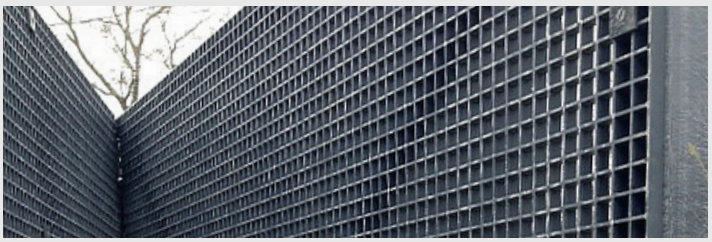
FORTRESS BUILDING PRODUCTS

FORTRESS BUILDING PRODUCTS

VOLTROS
Fortress Non-Conductive

PLUS

- Non-Magnetic
- Invisible to RF & Microwave Transmissions
- Low Install Cost
- Long Service Life
- Low Maintenance
- High Strength: Weight
- Fire Retardant
- Anti-Climb (Micro-Mesh)



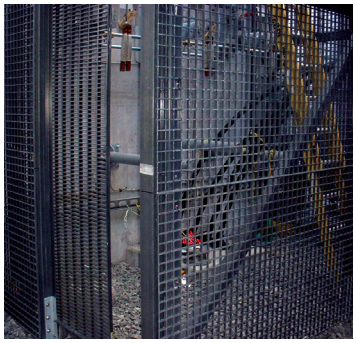
APPLICATIONS

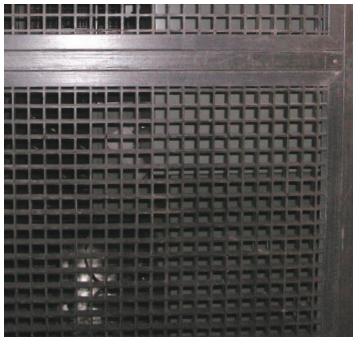
Electrical Equipment Protection

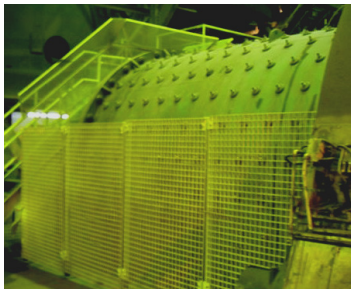
Corvex molded grating and Dynaform structural shapes were used throughout this aluminum manufacturing facility to create non conductive security fencing and screening for electrical equipment protection. The result would increase safety for workers by protecting them from the risk of electrical shock.

Transformer Cages

Square mesh molded grating and Dynaform structural beams and angle were used to build transformer cages around electrical equipment. The open mesh grating provides security around the transformers, while also allowing for unrestricted airflow. Additionally, the non conductive and fire retardant features of fiberglass reinforced plastic (FRP) products provide safety for workers.







Equipment and Conveyor Protection

Xstrata is one of the world's largest producers of zinc concentrates and refined zinc. In order to re-open one of their mineral treatment plants, numerous safety issues needed to be addressed and safety upgrades made. Traditionally installed stainless steel materials became too costly to maintain and posed a safety hazard due to its corrosive nature, among other things. The installer was able to provide a cost-effective, long term solution by supplying easy-to-install protections that adhered to the necessary safety codes. The yellow coloring also provided the added the benefit of high visibility throughout the facility. This was the first time an Xstrata plant used conveyor protections made out of FRP and it proved successful. The customer was very satisfied with the final result.

WHY CHOOSE ENC FENCING?

- More than 50 years of experience manufacturing high performance composites
- In-house engineering, design, and fabrication services
- Custom product capabilities
- ISO 9001:2008 certified manufacturing facilities
- Superior features and benefits when compared to traditional building materials such as steel, wood, and aluminum