

# VALTO | FOOD PROCESSING + COLD STORAGE



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# GLASBORD®

## HYGIENIC WALL + CEILING SYSTEMS

FOR FOOD PROCESSING + COLD STORAGE FACILITIES

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Our GLASBORD with Surfaseal offers unsurpassed hygiene for any application. We offer FRP and seam sealant that provides a protective system with reduced maintenance seams. Our products stand up to frequent wash downs with chemicals and antibacterial cleaners. Our products create a protective envelope with high performance finishes for food processing and cold storage applications. That's where our all-in-one hygienic wall panel solution comes in. Our products are certified by HACCP and meet the food processing guidelines of FSMA, USDA, FDA and FSIS.

Made of fiberglass reinforced plastic (FRP), GLASBORD with Surfaseal is extremely moisture-resistant and non-porous. The Surfaseal film finish, found only on GLASBORD, provides a barrier that is highly resistant to impact and scratching. Because of its unique process, the Surfaseal finish will not trap soil or bacteria on the panel. The panels perform well under frequent wash-downs.

Complete transitions with our polyurethane seam sealant that provides a nearly seamless surface and builds a permanent seal preventing any growth of mold and mildew. Using the seam sealant reduces maintenance needs as it does not have to be replaced like traditional silicone.

We are partnered with insulated panel manufactures that have options for temperature-controlled applications requiring hygienic SIPS panels.



**CHEMICAL**  
RESISTANT



**DURABLE+IMPACT**  
RESISTANT



**EASY TO**  
CLEAN



**MOLD**  
RESISTANT



**HACCP**  
CERTIFIED



**LOW**  
MAINTENANCE



**FIRE RATED**  
WALL INTEGRITY



**EASY**  
INSTALL



**BULK WATER**  
MANAGEMENT



**VAPOR BARRIER**  
PROTECTION

WE HAVE TOUGH PANELS



FOR TOUGH ENVIRONMENTS

## PRODUCT INFORMATION



**AVAILABLE SIZES:**

4' x 8' | 4' x 10'

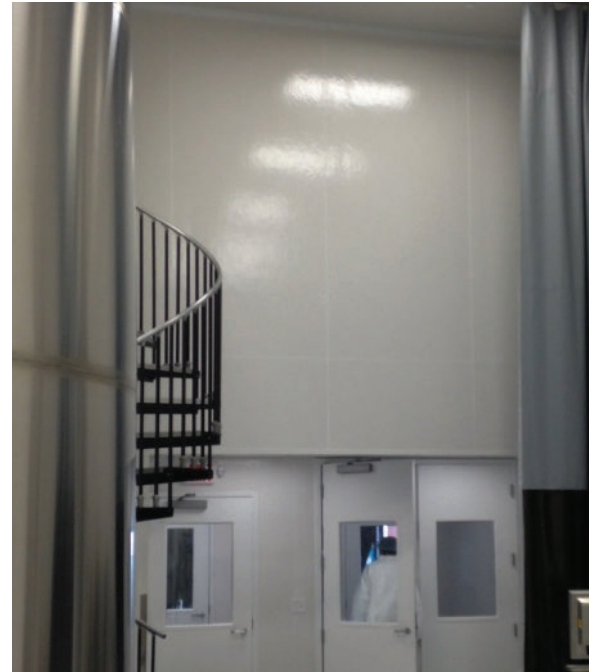


**THICKNESSES:**

0.09" (embossed) | 0.075" (smooth)

**FIRE RATINGS:**

Class A or Class C per ASTM E-84  
CAN/ULC-S102 | FM Approved Available



## GLASBORD CERTIFIED FOR CLEANROOM APPLICATIONS

Cleanroom Suitable Material testing quantifies the value that SURFASEAL adds to the FRP product (Hygienic ISO846 data sheet). The cleanroom FRP panels are completed with the use of biological and chemically tested adhesive and seam sealant for wall panel applications.

Replacing traditional FRP moldings, the seam sealant creates a monolithic surface, eliminating potential for penetrating moisture, bacteria, mold, viruses and other agents causing healthcare associated infections. The end result is a total wall covering system you can trust to protect your clean environments.

Test	PARTICLE EMISSION	BIOLOGICAL RESISTANCE	CHEMICAL CLEANABILITY	VOLATILE ORGANIC COMPOUNDS	MOLD AND MILDEW FREE
Standard	ISO 14644-1	ISO 846	ISO 2812-1	ISO 16000-9	ATSM D3273 & ASTM D3274
Testing Laboratory	Fraunhofer	Fraunhofer	Independent 3rd Party Testing	Independent 3rd Party Testing	Biological Lab Services
Results for FSFM Product	ISO CLASS 5-8	0-EXCELLENT	20% NAOH ONLY ISSUE	Total VOC 22.16PPB 1.66 PPB Styrene 20.6 PPB MMA	ATSM D3273 & ASTM D3274



BIOTECHNOLOGY | FOOD PROCESSING PLANTS | MEDICAL DEVICE ASSEMBLY  
HEALTHCARE + HOSPITALS | RESEARCH LABS | FOOD + BEVERAGE

# THE VALTO DIFFERENCE

For food processing and cold storage owners that need to control the spread of moisture, mold and pest contaminants in fire rated buildings, VALTO's Hygienic Wall Solution provides enhanced durability, bulk water and air infiltration resistance unlike PVC plank and IMP alternatives. This superior solution is comprised of a sealed wall solution, complete with wall panels, steel transitions and urethane sealants.



## CHEMICAL RESISTANT 10X MORE DURABLE

Chemical resistance is an important factor when considering the longevity and durability of wall solutions in food processing facilities. Food processing facilities must endure constant cleaning cycles with abrasive cleaners, frequent wash cycles, and harsh chemicals. VALTO has conducted extensive chemical compatibility testing on a variety of commonly used cleansers in the cultivation and chem/pharma industries to ensure fit-for-use in these applications.

Based on an internal chemical exposure test, GLASBORD FRP is more than 100 + more resistant to harsh chemicals such as hydrogen peroxide than IMP. VALTO's tests consisted of exposing GLASBORD FRP samples to several chemical cleansers for a period of 5 days at 77°F +/- 10°F. Ratings were based on a combination of visual observations and mechanical strength test results.

# 100x+

more resistant

GLASBORD FRP  
OVER 5/8" GYPSUM

**0.5%**

INSULATED  
METAL PANEL

**88.7%**

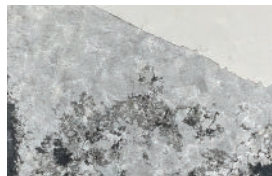
PER INTERNAL STANDARD OPERATING PROCEDURE WHEN  
SUBMERSED IN 30% DILUTION OF HYDROGEN PEROXIDE  
FOR 114 HOURS, IMP LOST 88% MORE GLOSS



### REAL WORLD TESTING

We tested panels samples in chemical solutions to simulate exposure to chemicals over time. The IMP did not resist the hydrogen peroxide and after only seven hours of exposure, paint peeled off while our GLASBORD panel fully resisted the hydrogen peroxide.

**IMP** when submersed in H2O2





# THE VALTO DIFFERENCE



HACCP CERTIFIED

HAZARD ANALYSIS CRITICAL CONTROL POINT CERTIFIED

GLASBORD panels are the first certified frp solution. HACCP certifies that GLASBORD panels are suitable for use in food and beverage facilities that operate in accordance with a HACCP based Food Safety Program.

Orientation of embossed panels must be installed/ run vertically for any areas that require a sanitary finish under HACCP certification.

HACCP International's certification mark confirms a non-food product's ability to support the integrity and safety of food as demanded by industry expectations, legislation and GSFI (Global Food Safety Initiative) endorsed standards. Non-food items and services that are used extensively in food manufacturing, handling and supply can have a significant impact on food safety, so the HACCP International Certification Programme is aimed at organisations that are required to supply 'food safe' equipment, materials, machinery, supplies and services to the food industry. Issued by an independent organisation of food safety experts, HACCP International certification gives food companies assurances that certified products have been thoroughly tested.

NRP, HDPE, and IMP wall panels are not HACCP certified



"Our food processors in Europe have been satisfied and confident in GLASBORD's proven solutions for decades. For industry professionals considering facility upgrades, expansions, or new plants, a glimpse into our customers' successful facilities can assure those who haven't yet discovered the high value of GLASBORD with Surfaseal that the system will perform for years to come."

**Jörg Helbig**

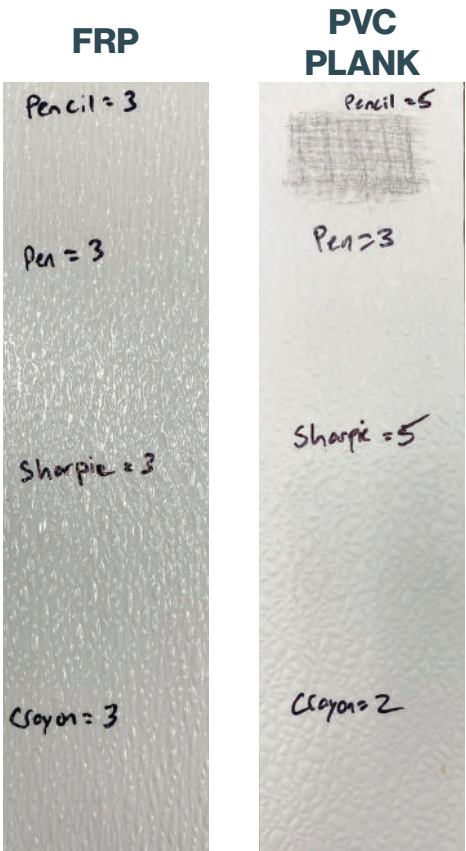
Hydewa GmbH | Managing Director, Technical & International Sales



# EASY TO CLEAN

**SURFACE THAT DELIVERS UNSURPASSED HYGIENE**

Keep your facility clean with GLASBORD panels that are easy to clean. Cleanability is an important factor when considering wall solutions for food processing facilities. Surprise audits can mean costly fines or even shut down your facility. VALTO has conducted extensive cleanability compatibility testing with a variety of commonly used materials and cleansers for food processing industries to ensure our product's fitness for use.



STAIN + CLEANABILITY TEST	
GLASBORD FRP OVER 5/8" GYPSUM	PVC PLANK
34%	50%



# COMPLETE YOUR VALTO CLEANROOM SYSTEM

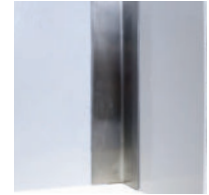
## POLYURETHANE SEAM SEALANT

Seam Sealant is an equal-mix, two-component bright white urethane sealant system used to bond and seal a variety of plastics.



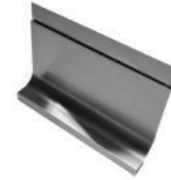
## STAINLESS TRIMS

Stainless steel trim pieces are the answer to having a sanitary, durable and clean transition while providing increased impact resistance and longevity to develop a more aesthetically pleasing finish.



## SANI-BASE™

Use Sani-Base stainless accessories for innovative moisture mitigation solutions for seamless wall to floor transitions. Our Sani-Base accessories are available in five different profiles to fit your application needs.



## VALTO ADHESIVE

VALTO's Fast Grab and Advanced Polymer adhesive offers professional-strength and is specifically formulated for the installation of FRP panels over most porous surfaces. It offers quick grab and strength development that requires minimal bracing.



## SANIGRID

Sanigrid is known for its moisture and corrosion resistance in high humidity installations. It won't rust, pit, dent, or peel like metal grid systems.



**FIRE-X GLASBORD (FXE and FSFM)** is the only fiberglass reinforced interior wall and ceiling panel that is approved under FM Approvals Standard FM 4880 (Plastic Interior Finish Materials). Product installations should be in accordance with FM Approvals Standard FM 4880. This information is available at [www.approvalguide.com](http://www.approvalguide.com) and [www.FRP.com/FMAproved.pdf](http://www.FRP.com/FMAproved.pdf).

**GLASBORD panels are the first FRP panels that are HACCP certified.** Hazard Analysis Critical Control Point (HACCP) certifies that GLASBORD panels are suitable for use in food and beverage facilities that operate in accordance with a HACCP based Food Safety Program. Orientation of embossed panels must be installed/ run vertically for any areas that require a sanitary finish under HACCP certification.

**All Valto wall and ceiling coverings have earned GREENGUARD Certification** for low chemical emissions, issued by UL Environment. This certification reflects our dedication to improving the quality of our products, while using low-emitting materials in their construction.

Thanks to their environmental benefits, the use of Valto products may also contribute to earning LEED® certification.



At Valto, we partner with our customers, and through innovation, deliver advanced materials that enhance everyday environments. We succeed through a culture of collaboration, continuous improvement, and excellence. With integrity at our core, we challenge the status quo and pursue innovative approaches that benefit our customers and associates.

Since 1954, Valto Engineered Materials has provided innovative products and services and is a leading provider of FRP composite panels. Our lightweight composite products deliver unsurpassed strength and durability; and we continue to pioneer next level performance in building materials, recreational vehicles, and transportation.



**VALTOfrp.com | 1.800.435.0080 | sales@valtoem.com**

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