



Seamless Hygienic System



www.shielditsystems.com



How Shield-It Seamless Hygienic System Works

The U.S. Food Safety Modernization Act of 2011 mandated sweeping reforms to the way we process, transport, and prepare food safely. The revolutionary Seamless Hygienic System from **Shield-It Systems** was specifically engineered to comply with FSMA and other USDA, FDA, and FSIS regulations.

The Seamless Hygienic System from **Shield-It Systems** uses FRP wall and ceiling panels along with **curb** modular wall protection curbs that join seamlessly, preventing any mold, mildew, or bacteria from entering the panel or building structure. Alternative solutions, such as silicone joints, can deteriorate quickly with frequent hot-water, high-pressure spray cleanings, and harsh chemicals.

Shield-It's Seamless Hygienic System combats this problem with the revolutionary HC-WELD caulking system, creating a permanent unbroken seal that can handle the harsh wash down environments without cracking or deteriorating. Additionally, the CPX glue that sets the curb in place is a fail-safe secondary seal that adds further reliability to the system.

Shield-It's USA made modular curb "**curb** is a key to the hygienic system. Available in multi-levels of protection, **curb** registered hygienic 5X-Tech mix allows the curbs to protect the insulated FRP Panel from damage by hand trucks and forklifts.

The Seamless Hygienic System from **Shield-It Systems** bonds all surfaces forming a smooth, reliable, long-lasting seal creating a maintenance free solution.

Key Features

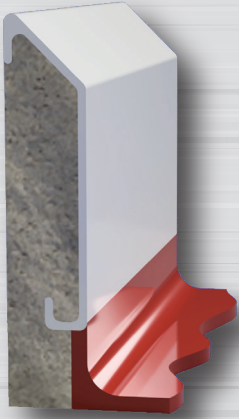
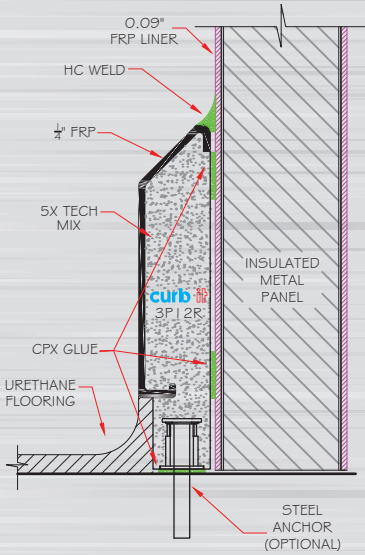
- Seamless FRP wall system
- Superior hygiene
- Durable finish
- Meets USDA and FSIS requirements
- Withstands aggressive wash-down
- Prevents moisture intrusion
- Virtually maintenance-free

Applications

- Food processing
- Commissaries
- Pharmaceutical manufacturing
- Commercial kitchens
- Clean rooms

FOOD SAFETY MODERNIZATION ACT

Preventable, food-borne diseases affect millions of Americans every year. Until recently, outdated safety regulations were part of the problem. The Food Safety Modernization Act (FSMA) of 2011 was the most sweeping reform of our food safety laws in more than 70 years. New regulations focus on preventing food-related health issues through frequent monitoring, higher safety standards, and strict quality controls. A clean, hygienic environment is a crucial element of food safety.



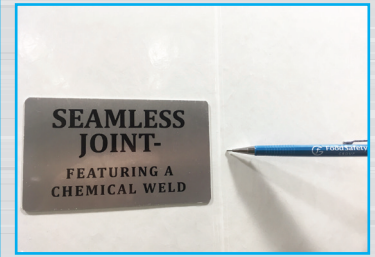
CURB Specifications

Finish	FRP faced
Finish Option	Standard white with optional color match
Height	8" to 24"
Thickness	Level 3 (2½") Level 4 (4") Level 6 (6")
Length	36" to 48"
Adhesive	CPX Glue (hybrid polymer)
Optional Anchors	Four per 4' section
Joint Sealant	HC WELD (2-part compound which chemically welds CURB surfaces for a smooth, durable finish)
Curb Core	5X-Tech mix
Protection	Level 3 - Pallet Jack Level 4-6 - Fork lift

FRP Panel Specifications

Finish	0.075" thick, fire rated, smooth FRP
Substrate	No-profile G-90 galvanized pre-painted steel available in 26 Ga., 24 Ga., and 22 Ga.
Finish Option	In lieu of FRP finish, one of the faces is available in a Mesa or Light Mesa Profile with USDA-compliant polyester coating, Igloo White color.
Width	42" and 44½"
Thickness	2", 2½", 3", 4", 5", 6"
Length	8' to 32' *
CF Panel Joint	Offset double tongue and groove with extended metal shelf for concealed fastening within the joint
Joint Sealant	HC WELD (2-part compound which chemically welds FRP surfaces for a smooth, durable finish)
Panel Core	Foamed-in-place, zero ozone depleting (zero ODP) class 1 foam
Core Thermal Value	K-factor ** @ 75°F(24°C) is 0.140, @ 40°F(4.4°C) is 0.126

* Contact factory for special lengths.
** BTU.in/hr.ft².°F



COMPLETE CEILING TO FLOOR SEAMLESS SYSTEM

PATENT PENDING

SHIELD IT SEAMLESS JOINT FILLER HC-WELD

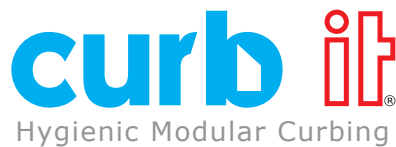
HC-WELD chemically bonds curbs to wall, creating a waterproof seamless seal

- Resistant to yellowing and discoloration, UV resistant
- Extremely good viscosity
- Creates an antibacterial seal
- Solvent-free
- Food safe
- No inherent odor
- Dries fast to form hard seamless joints





Complete your Hygienic Design with these products from Shield It Systems



The only modular curb manufactured in the United States. Providing three levels of hygienic wall protection. The perfect solution for completing a seamless wall to floor detail in food processing or clean rooms.



FRP commercial doors, windows and openings for every application. Patented easy installation door frame, easy install windows and openings.



Our FRP panels are designed for use in restaurants, food processing plants, cleanrooms, healthcare facilities, schools, or in any commercial space where surface durability and high performance are desired.



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