



DOWNLOAD THE CASE STUDY

Workiva (Webfilings) Ames, Iowa

Genwall: 31,717 sq ft • Façade: Dri-Design

What is Genwall?

Genwall® Enhanced Substrate System™ is a complete weather-tight backup wall system that accommodates a variety of façades.

Genwall can be *exposed to weather for up to 12-months*. This air and moisture barrier has a unique outer-skin fastening system that attaches outer façades of your choice with minimal penetrations to the drain plane.

Genwall *eliminates* the need for separate batt, spray foam, or board insulation, exterior gypsum board sheathing, air barriers, vapor retarders and building wraps, while providing better thermal efficiency and moisture control.

The secret is in Genwall's patented clip and anchor system.

A Simpler Solution for Your Backup Wall

Genwall is more desirable to architects and contractors across the nation because of its minimal number of components:

- Steel-wrapped, interlocking insulated panels
- Proprietary clip anchoring system
- Subgirts
- Joint sealants
- Liner flashing
- Self-adhering sheet flashing
- Fasteners



Genwall Clip System

The Clip

What makes this system truly different than other substrate systems, is the clip. The Genwall clip and anchor system is specially configured to serve two main functions:

1. Fasten the insulated panels to the building framing system (the exterior studs) with minimal penetrations of the panels' exterior skin (the drain plane).
2. Provide connection points for the subgirt system, allowing the cladding to be attached without penetrating the drain plane.





Veridian Credit Union • Omaha, Nebraska

Genwall: 5,000 sq ft

Façade: Fundermax, ACM, LedgeStone Natural Stone Veneer

Genwall Advantages

AIR & WATER



Drain Plane Integrity

Minimal drain plane penetrations removes risk of mold and moisture damage.



First Stage Rear-Ventilation Setup

Providing airflow along back of façade material, fostering proper moisture evaporation.

INSTALLATION



Up-to 12-months Exposure

Durable, metal-wrap panels deflect damage while waiting up to a year for final exterior finishes; Contractors have schedule flexibility - saving costs.



Simplified Single-trade, Single-pass Installation

Rapid weather-in, efficient construction schedule and low construction waste; all with one subcontractor.



Factory-manufactured Components

Greatly reduces field assembly time and effort. Superior quality control of materials and installation.



Open & Accessible Stud Cavity

All trades are provided an open wall cavity; free of batt or spray insulation. No more "cold-spots".

THERMAL & STRUCTURAL



High R-Values

(see R-values below)

Exceeds newest & strictest energy codes. Energy & cost savings for all US regions.



Structural Façade Support

Virtually limitless outer-skin options. Easily re-skin without degrading wall performance.

PEACE OF MIND



Resource-Efficient

A competitively-priced solution to meet today's demanding, low-consumption expectations.



Third-Party Tested

Assurance that all materials meet quality performance expectations.



2-Year Warranty

We warranty material for 2 years from date of shipment, giving you and your client peace-of-mind that we stand behind Genwall 100%.

Genwall Product Specifications

Panel Height:	24", 30", 36", 40", or 42"
Panel Length:	Standard 16'; optional 6' to 40'
Span Capacity:	Up-to 24" o.c.
Horizontal Joint:	Pressure-equalized, tongue-&-groove w/ factory applied butyl sealant
End Joint:	Butt with field-applied gasket and sealant
Face and Linear Material:	Standard: 29 GA AZ50 galvalume or galvanized Optional: 26 GA G90 galvalume or galvanized
Finish (standard):	Epoxy primed or white polyester; optional matte black
Thermal Properties per ASTM C1363*:	2" Panel: R=16* ; U=0.63 4" Panel: R=33* ; U=0.34 3" Panel: R=25* ; U=0.42 6" Panel: R=43* ; U=0.23

(*Thermal values at a mean temperature of 75°F are per ASTM C1363 testing including thermal value of R1 for interior air cavity & interior gypsum board.)

Free White Paper Download

Stop Compromising Your Envelope: Keep Your Exterior Wall Uncomplicated.

Is your next building at risk for moisture and energy leaks? Do you know how to identify—and eliminate—the most common penetrations of your building envelope? These helpful resources are *FREE* to you right now, grab them today at our website.

sgjconcepts.com/resources/literature/