

VERSATILE
WALLCOVERING
SYSTEMS



A Shell of Sorts



Providing protection
and so much more.

Experience the difference of Vitrulan Reinforced
Polyurethane (VRP) Wall Systems.

What is the VRP Wall System?

The system begins with Vitrulan woven 100 percent glass fabric, which comes in rolls like wallpaper and is applied onto an existing or new wall. It is then painted with a two-part, tintable, low VOC water-based epoxy and finished with a coat of low VOC, clear, water-based polyurethane. Simple – yet the system boasts so many benefits.



Now there's a smart new alternative to Fiberglass Reinforced Plastic (FRP)

Easy to hang as traditional wall covering, our VRP® interior wall finishing system is now the most effective choice for a variety of commercial settings – especially those with demands for serious high-performance walls. From durability and hygiene to aesthetics and maintenance, the VRP Wall System sets a new standard in wall coverings.



Aesthetics

The VRP System not only performs well, but also looks great. Our glass fabrics come in a wide selection of textures and can even be customized with your own design or company logo. Since it can be coated with any paint, your walls can be color coordinated to perfectly match the design scheme of your interiors. The VRP System creates a smooth, attractive surface that makes existing cracks in walls or plaster disappear. It prevents dry-wall cracks in new buildings and covers existing cracks in older buildings. Plus, it will stay looking good for years to come – even under high temperatures the VRP System will not discolor or bow, unlike alternative products.

Safety

In addition to providing a safe indoor air quality, the VRP Wall System is inherently fire retardant. Glass does not burn – it melts at very high temperatures. So the ASTM 84 tested flame spreads are very low in the VRP Wall System, resulting in a Class I certification. But more important, in tests of all Vitrolan glass fabrics, the smoke development is almost zero – a key benefit since smoke is the leading cause of death in fires. This almost zero smoke development is a feature that other wall covering products like FRP and vinyl simply cannot achieve.



Vitrulan glass fabric is manufactured from sand and can be painted any color.

Installation

The VRP System is unbelievably easy to install. No need for specialists – all you need is trade knowledge of wall covering installation and painting, a box knife, scissors, spatula and paint rollers. There's no need for filters or masks, as all Vitrulan products are totally safe to use.

Here's how the simple three-step process works: Apply – Paint – Coat

- ① Apply Vitrulan Base Pattern using adhesives.
- ② Roll on PC-200 Low VOC Epoxy in specified color once the wall covering is thoroughly dried.
- ③ Once the PC-200 is Dry, apply the final clear coat of PC-400 Gloss or PC-500 Satin.

The result is a high impact, high performance seamless wall protection system that will last for years.



Some simple tips to assure your installation gets the desired effect:

- Apply adhesives evenly across the walls surface with a roller or pasting machine.
- Be sure all batch numbers match before cutting material; use printed guides on reverse.
- Hang material precisely edge to edge to match pattern.
- Press out any air bubbles with a rubber spatual or rubber roller.
- Trim excess material at the ceiling and base with a sharp knife.
- Allow the material to dry thoroughly.
- Roll desired paint color on the dried material.
- Allow the paint to dry thoroughly before applying second coat.

Maintenance

The VRP System requires very little maintenance time and costs. It can be cleaned with up to 40% bleach solution, as needed, and even scrubbed or powerwashed. In the event that the VRP System needs repairs, it can be easily and quickly patched, leaving little or no visible evidence once recoated. The walls can be repainted over and over, without losing the textured look of the wall covering.

Hygiene

The VRP Wall System is chlorine-free, emits low volatile organic compounds (VOCs) and maintains breathability, making it the perfect choice for hygiene-sensitive areas like restaurants and healthcare and assisted living facilities. Plus, there are no pores and pockets in which micro-organisms could accumulate. Since all seams are completely sealed, no food particles or bacteria can be trapped behind the wall covering.

Durability

Glass filaments spun into yarn are pound for pound stronger than steel in tensile strength and much thicker than typical fiberglass. The result is a woven glass fabric that is highly impact resistant and strong enough to stand up to extensive wear and tear on your walls. The addition of enhanced resistance coatings (epoxy and polyurethane) in the VRP Wall System means you get abrasion resistance 10x better than Level 3 ASTM: D 4977 Standard to help avoid unsightly minor dents and scratches in extreme high traffic areas.

Environment

Our VRP System is a responsible choice. Vitrulan glass fabric is manufactured from abundant natural raw materials (quartz) and contains no plasticizers or any harmful chemical agents. The use of Vitrulan products can contribute to earning USGBC LEED® (Leadership in Energy and Environmental Design) certification. In addition, Vitrulan glass fabrics have garnered third-party certification under the international Oeko-Tex Standard 100, putting them in the same category as “Textiles for Babies.”



VRP System Benefits at a Glance

- Highly durable and impact resistant
- Able to withstand aggressive maintenance
- Easy to repair, leaving little or no visible evidence when recoated
- Extremely hygienic, impermeable to growth of micro-organisms
- Exceeds all applicable fire and safety standards
- Unlimited design options
- Unlimited color options
- Hides existing cracks on older walls and prevents new cracks
- Seamless surfaces improves infection control
- Quick and simple to install
- No moldings or extra equipment needed
- Environmentally friendly; uses natural raw materials
- LEED® certified
- Costs less than a paneled prefabricated system like FRP



Senior Living

Healthcare

Hospitality

Food & Beverage

About Vitrulan

The VRP System may be new, but Vitrulan has been developing glass fabrics in Germany since 1921. A third-generation, family-owned company, Vitrulan is dedicated to delivering high-quality products and outstanding service, on a global level.

To find out more about the VRP Wall System for your facility, call Vitrulan at 888-267-4067 or e-mail us at info@vitrulanusa.com.



Ger-Eck, LLC

Exclusive Distributors of Vitrulan Glass Textile Products

10317 Johns Towne Drive

Charlotte, NC 28210

Tel: 888-267-4067

e-mail: g.griffin@vitrulanusa.com

vitrulanusa.com