



DURABLE & PROTECTIVE
WALLCOVERING
YOU CAN CUSTOMIZE

VRP® SYSTEM
VITRULAN® REINFORCED POLYURETHANE
INTERIOR WALL FINISHING SYSTEM

The VRP System is an impact resistant, washable, scrubable, seamless textured interior wall finishing system consisting of: Vitrulan Glass Déco Fabric adhesively applied directly to existing or new wall surfaces; a two-part, tintable, low VOC water-based epoxy applied on site; and one coat of a low VOC, clear, water-based polyurethane applied on site.

ADVANTAGES

- Highly washable and scrubable - withstands aggressive maintenance/ power washable.
- Seamless surfaces
- Unlimited design & color options
- NSF International Reg. #132618, R2 as suitable for use at USDA facilities on structural surfaces with the possibility of incidental food contact.
- Environmentally friendly - **LEED points available**

Physical Properties – Components/System

Vitrulan Base Glass Textile Pattern Dependent		
Total Glass Textile Weight	8.2 oz/yd² (275g/m²) – Pattern Dependent	6.3 oz/yd² (215 g/m²)- Pattern Dependent
Thickness	0.044 in (1.12 mm)	Approx. 0.016 in (0.40 mm)
Roll Width	39.4 inches (1 m)	
Roll Length	82 linear feet (25 m)	

Vitrulan PlusCoat 200 Low VOC Epoxy	
Packaging	Part A & B 1 = Gallon
Coverage Rate	275 ft² / gal
Wet Film Thickness	6.5 – 8.0 mils
Dry Film Thickness / Coat	2-2,5 mils
VOC's	0.42 lbs./gal.(<50g/liter)
Drying Time* At 70°F (21°C)	Touch: 45 minutes Dry Through: 6 hours
Pot Life	6 hours

Vitrulan PlusCoat 400/500/600 Polyurethane Clear Finish	
Packaging	Part A & B 1 Gallon
Coverage Rate	400 – 415 ft² / gal
Wet Film Thickness	4.0 – 5.0 mils
Dry Film Thickness/Coat	2.4 – 3.0 mils
VOC's	<30 g/l
Drying Time* At 70°F (21°C)	Touch: 4 hours Dry Through: 6-8 hours
Pot Life	1.5 hours

* Dry times vary with surface temperature

888-267-4067
vitrulanusa.com

Ger-Eck, LLC: Exclusive Distributors of Vitrulan Glass Textile Products
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TECHNICAL DATA SHEET

VRP® SYSTEM VITRULAN® REINFORCED POLYURETHANE INTERIOR WALL FINISHING SYSTEM

Performance Testing

Glass Déco Fabric	Test Method	Pattern Dependent
Breaking Strength	ASTM D5034	Warp: >263 lbs/inch Fill: >177 lbs/inch
Water Vapor Transmission	ASTM E96	96.3 Perms
Combustion Toxicity	University of Pittsburgh Protocol	LC ₅₀ : 35.8 g LA ₅₀ : 126,950 mm ²
Ökeo-Tex 100 Product Class I	Shown to meet the human ecological requirements of the standard presently established for infant clothing	

VRP System Top Coat	Test Method	Vitrulan PlusCoat 500 Satin/PlusCoat 400 Gloss/Plus Coat 600 Matte
Salt Spray Resistance	ASTM B117	Pass 5000 hours
Mandrel Bend Test Crack Resistance	ASTM D522	32% Elongation 1/8" diameter
Water Resistance	ASTM D2247	No deleterious effects after 1000 hours
Impact Resistance	ASTM 1629M-05	153 ft-lbf ¹ – Exceeds Level 3 impact ¹ No impact impression at 145 ft-lbf
Hardness	ASTM D 3363	Gouge Hardness: 4H / Scratch Hardness: 9H <i>Full cure of the VRP Wall System for optimum performance is fourteen (14) days</i>
Abrasion Resistance	ASTM D 4060	10-20 mg loss
UV-Condensation Exposures	ASTM D 4587	Pass SSPC Paint 36 Standard (less than 30 gloss change)
Water Vapor Transmission	ASTM E 96	2.43 Perms

Fire Resistance

	Test Method	Vitrulan VRP System*	Phantasy Plus
Flame Spread Rating	ASTM E84	20 (Class A/1**)	5 (Class A/1**) 15 (Class A/1**)
Smoke Development Rating	ASTM E84 /E98	5 (Class A/1**)	0 (Class A/1**) 15 (Class A/1**)

Vitrulan VRP System: 'Aqua Plus Pigment', w/plus Coats 200 & 400/500/600

Class A as designated by the NFPA, Class 1 as designated by the IBC*Pre-pasted and coated Latex Paint

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