



DURABLE & PROTECTIVE
WALLCOVERING
YOU CAN CUSTOMIZE

VRP® R-FACTOR 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 Phantasy Plus 960-R		
Total Glass Textile Weight	8.2 oz/yd² (275g/m²) – Pattern Dependent	6.7 oz/yd² (215 g/m²)
Thickness	0.045in (1.12 mm)	Approx. 0.018 in (0.44 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 Gloss/500 Satin/600 Matte 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® R-FACTOR SYSTEM VITRULAN® REINFORCED POLYURETHANE INTERIOR WALL FINISHING SYSTEM

Performance Testing

Glass Déco Fabric	Test Method	Vitrulan R-Factor 960-R
Breaking Strength	ASTM D5034	Warp: >265 lbs/inch Fill: >179 lbs/inch
Water Vapor Transmission	ASTM E96	93.6 Perms
Combustion Toxicity	University of Pittsburgh Protocol	LC ₅₀ : 35.8 g LA ₅₀ : 126,950 mm²
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-lbf¹ – Exceeds Level 3 impact ¹No 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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