



DURABLE & PROTECTIVE
WALLCOVERING
YOU CAN CUSTOMIZE

COMPARISON: VRP® WALL SYSTEM VS. TYPE III VINYL WALL COVERING ASTM F793-10A CLASSIFICATION CRITERIA

Definition:

Type III Vinyl Wallcovering - Heavy duty: Usually produced on a drill fabric backing. Minimum weight is 22 oz. per square yard (33 oz. per linear yard for 54" wide). Federal specifications (FS CCC-W-408D) define these categories by strength, not weight.

Classification Criteria:

- 1.1** Covers the classification of wall covering by use characteristics, that is, according to its serviceability in use, recognizing that certain wall covering is designed primarily for decorative effect, while other wall covering is also designed to achieve a high degree of serviceability.
- 1.2** The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.
- 1.3** This standard is used to measure and describe the properties of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire hazard or fire risk assessment of the materials, products, or assemblies under actual fire conditions.
- 1.4** This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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Vitrulan VRP® Wall System vs. Category VI Type III Wallcovering

PROPERTY	VITRULAN VRP WALL SYSTEM	TYPE III VINYL WALL COVERING
Minimum Color Fastness	ACTUAL RESULTS Pass – ASTM D4587 (Standard Practice for Fluorescent UV-Condensation Exposures of Paint and Related Coatings)	COMMERCIAL SERVICEABILITY CRITERIA 200H
Minimum Washability	>100 Cycles ¹	100 Cycles
Minimum Scrubability	5,220 Cycles	500 Cycles
Minimum Abrasion Resistance	5,000 Cycles	1,000 Cycles
Maximum Breaking Strength		
<i>Machine Direction</i>	263 lbs.	100 lbs.
<i>Cross Machine Direction</i>	177 lbs.	95 lbs
Minimum Stain Resistance	Reagents 1-12 ²	Reagents 1-12
Minimum Tear Resistance	>1600g/f	1600g/f
Minimum Blocking Resistance	N/A No Blocking	2
Hard Body Impact Resistance ASTM – C-1629-05	85-lbf. Exceeds Level 3 Wall Board Criteria (No impact on wallboard at 85-lbf/ft.)	45 lbf/ft.
Minimum Coating Adhesion	100 lb/in ²	3 lb/in
Minimum Heat Aging Resistance	Pass	Pass
Maximum Flame Spread Index <i>(Class A)</i>	20	25
Maximum Smoke Development <i>(Class A)</i>	5	450
Maximum Shrinkage		
<i>Machine Direction</i>	No Change ³	2
<i>Cross Machine Direction</i>	No Change ³	1.5

NOTE:

- ¹ Can be pressure washed
- ² Passes several other reagents such as 37% sulfuric acid, bleach and Betadyne
- ³ VRP® does not stretch or shrink

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