

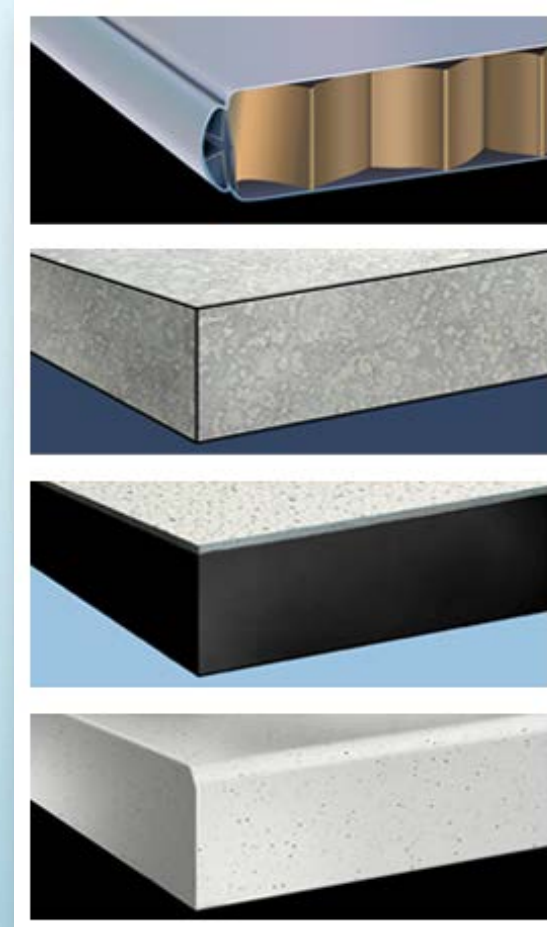
How to Select and Specify Toilet Partitions Based on Building Type, Durability Factors and Code Compliance Requirements

BOBRICK




BUILDING VALUE SINCE 1906

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- Honeycomb Construction
 - Painted metal
 - Stainless steel
- Bonded Construction
 - High pressure laminate
- Layered Construction
 - Compact laminate
- Homogeneous Construction
 - HDPE
 - SCRC

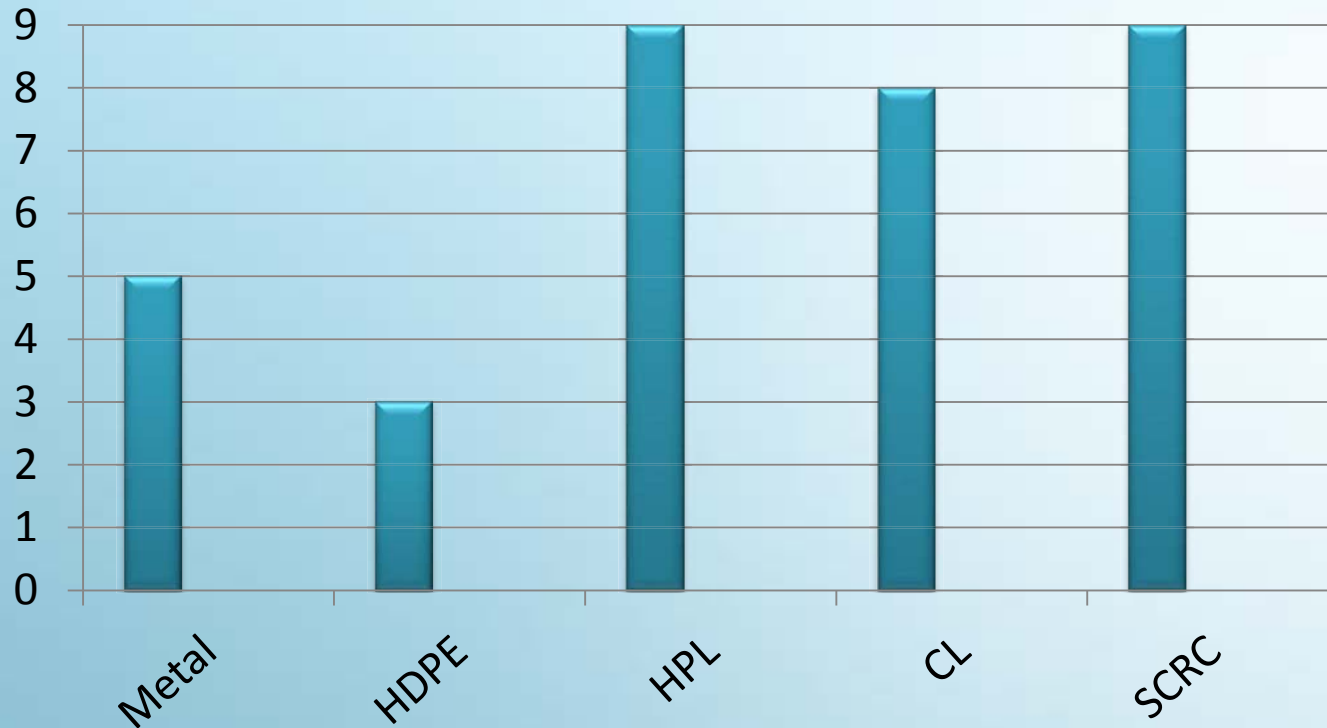


Building Type	Painted Metal	Stainless Steel	HPL	HDPE	Compact Laminate	SCRC
Heavy Traffic	Red Circle	Red Circle	Yellow Circle	Yellow Circle	Green Circle	Green Circle with Star
Standard Use	Yellow Circle	Red Circle	Green Circle with Star	Yellow Circle	Yellow Circle	Red Circle
Prestige	Red Circle	Green Circle with Star	Green Circle with Star	Red Circle	Yellow Circle	Red Circle

-  Best Choice
-  Good
-  Poor

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Matching Selection Criteria - Building Types

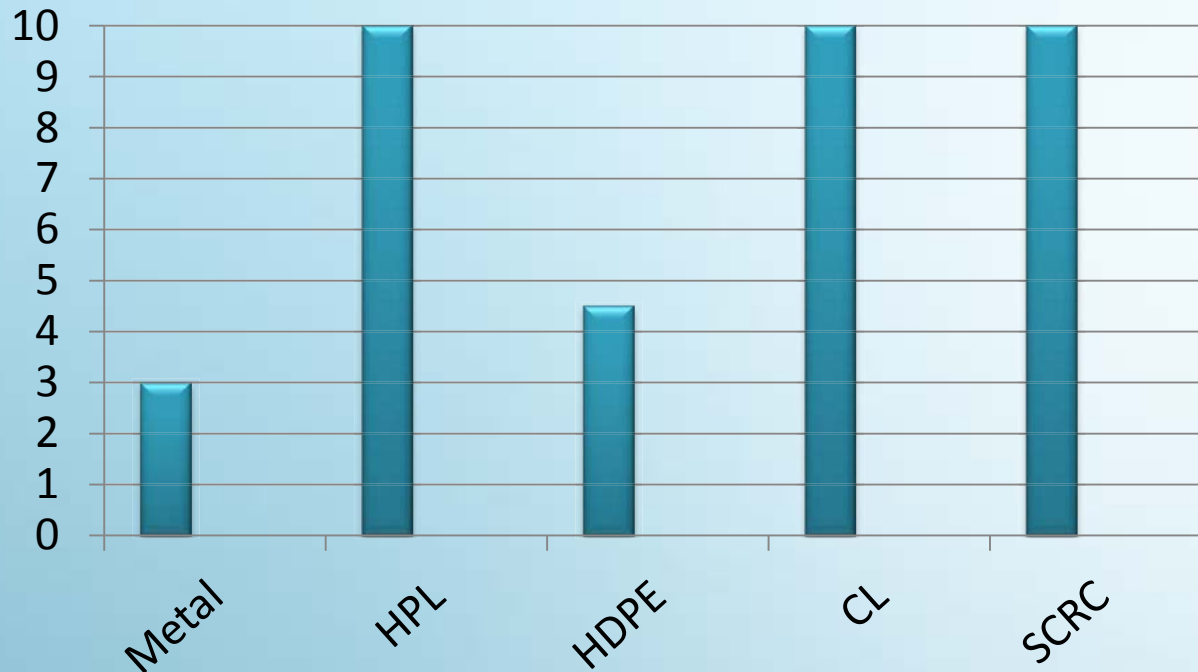


Number of Graffiti Markers Cleaned Out of 9 Marks Applied

- Higher readings perform better
- High Pressure Laminate (HPL), Compact Laminate (CL) and SCRC are the most graffiti resistant



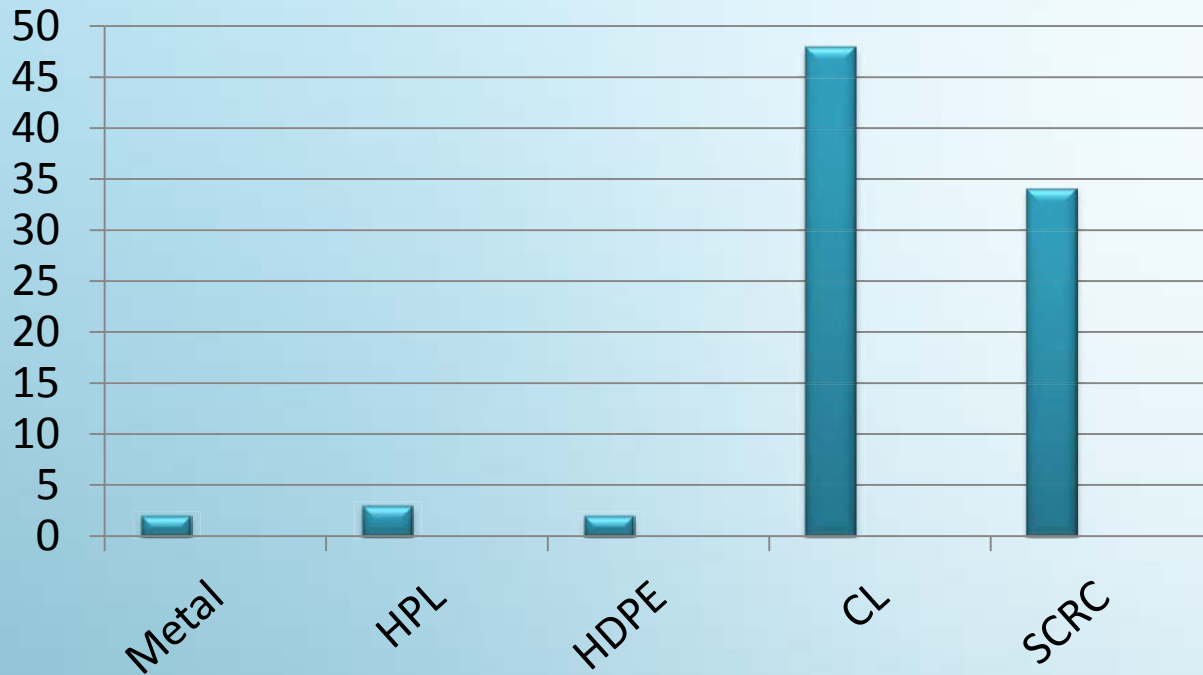
Selection Criteria – Graffiti Resistance (ASTM D6578)



Weight Needed to Scratch Material (kilograms)

- Higher readings perform better
- High Pressure Laminate (HPL), Compact Laminate (CL) and SCRC are the most scratch-resistant

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Drop Height in Inches of 2 lb Hemispherical Indenter

- Higher readings perform better
- Compact laminate is the hardest to dent

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	Painted Metal	High Pressure Laminate	HDPE (Untreated)	Compact Laminate	SCRC	Stainless Steel
Price Index	1	1.1	1.9	2.4	2.7	2.7

Toilet Partition Material Price Comparisons

Note: Painted metal prices have increased, closing the price difference with high pressure laminate, which offers more design freedom.

Stainless steel is the most expensive, at about 2.7 times the price of painted metal or high pressure laminate.



Selection Criteria - Pricing Comparisons



Overhead-Braced



Floor-to-Ceiling



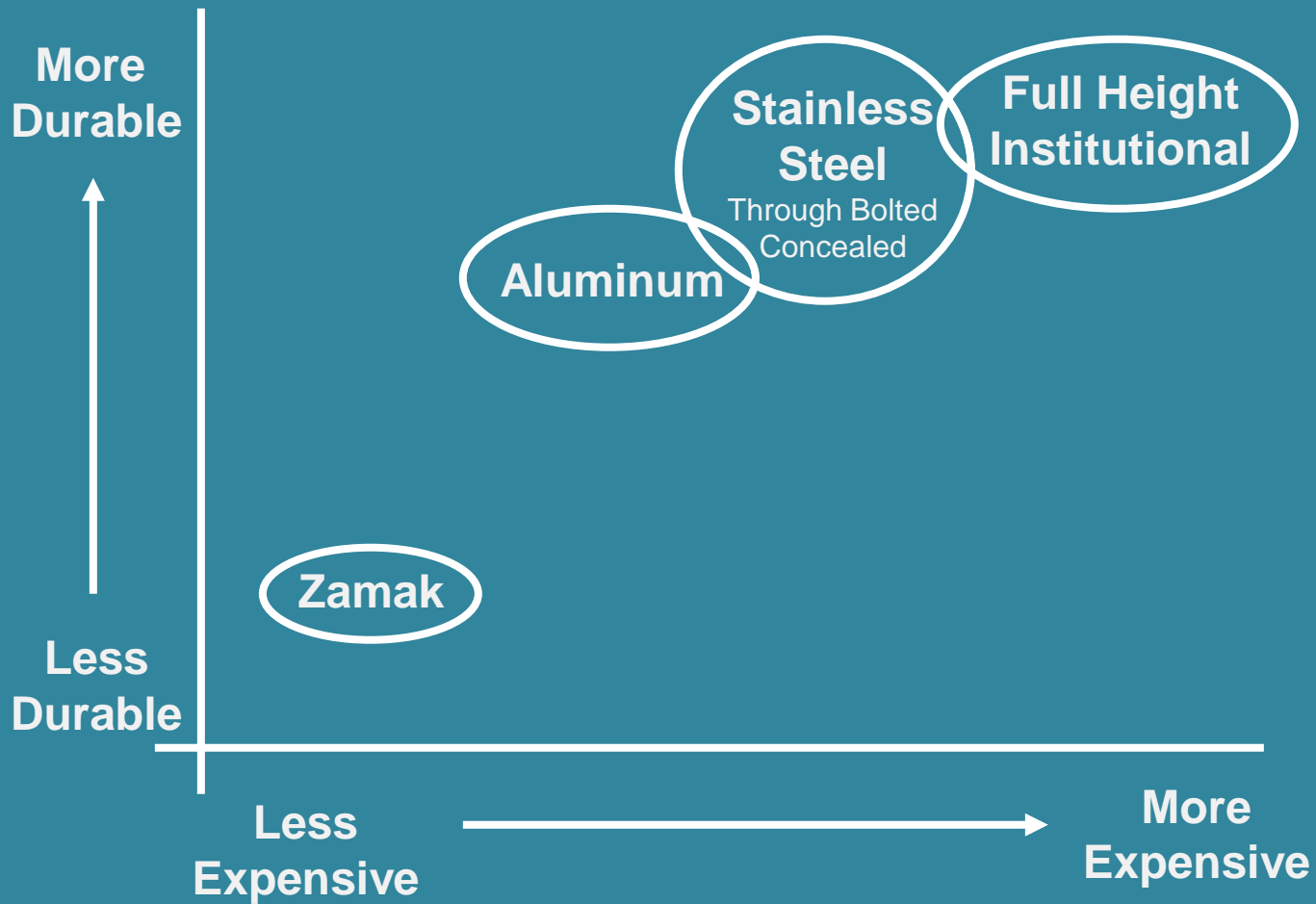
Floor-Anchored



Ceiling-Hung

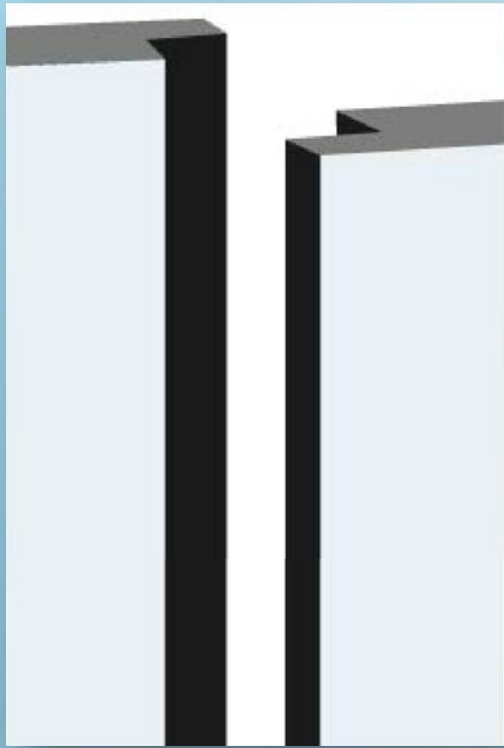
Mounting Configuration Options

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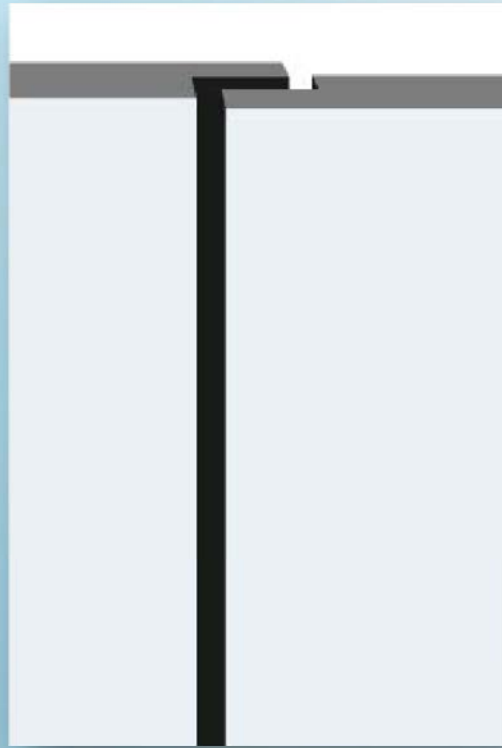


Hardware Options

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**Front views of gap-free partitions
opened and closed**



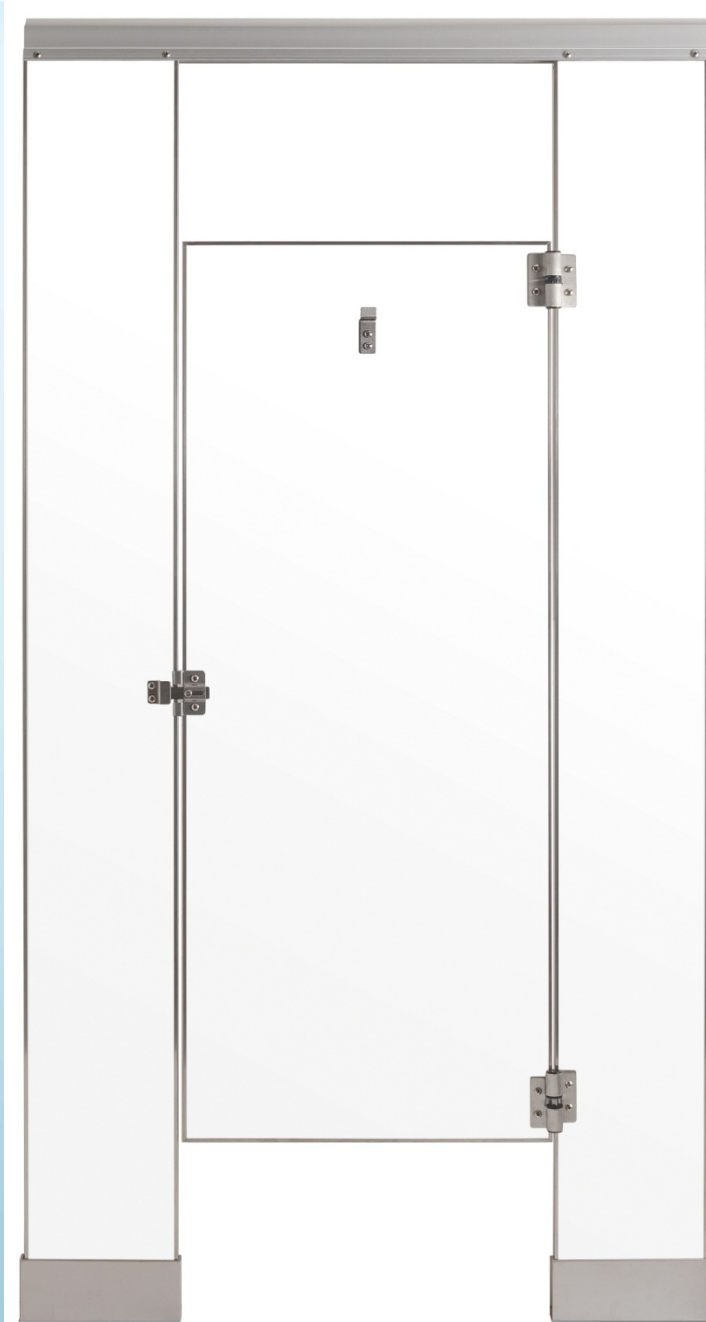
Maximum height compartment

Privacy Options

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In this example:

- Specifying a High Pressure Laminate with particle board substrate with steel core reinforced stiles.
- Mounting configuration is floor-anchored, overhead-braced.
- Language used and references cited serve as guideline examples for all toilet partition specifications.



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Writing an Appropriate Specification

MATERIAL DESCRIPTION

- Cores panels, doors, stiles, screens
- Surfaces
- Finished Thickness
- Stile Reinforcement
- Fabrication
- Fire-Resistance

HARDWARE FEATURES

- Materials
- Fastening
- Mounting
- Latching
- Hinges
- Compliance
- Emergency Access



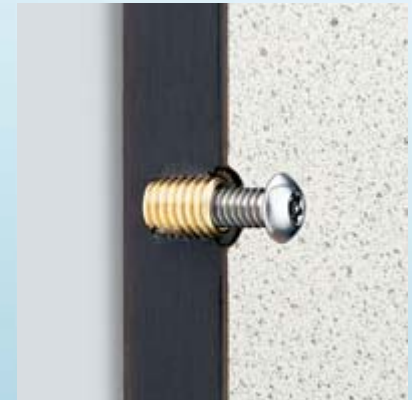
HARDWARE

Mounting Hinges, keepers latches, clothes hooks and their fasteners concealed inside compartment. Exposed hinges, keepers, latches, clothes hooks and their fasteners on exterior of compartment not acceptable with the exception of accessible compartments.



FASTENING

Hardware secured to door and stile by through-bolted, theft-resistant, pin-in-head Torx stainless steel machine screws into factory-installed, threaded brass inserts. Fasteners secured directly into core not acceptable.



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- Model codes and standards for fire testing of toilet partition materials developed by:
 - ICC
 - NFPA
- Some jurisdictions have yet to adopt updated codes, but conventional wisdom suggests compliance is what a prudent person would do.



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Interior Finish Compliance- Up Dated Information



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Interior Finish Compliance- Testing Requirements



Standard NFPA 286 test method with HDPE untreated panels mounted on fire test room walls.



HDPE untreated panels being tested as they would be installed as toilet partitions in the field.

Interior Finish Compliance- NFPA 286

Material	Flame Spread Index	Smoke Developed Index	Interior Wall & Ceiling Finish Classification
Painted Metal	5	0	Class A
High Pressure Laminate	60	195-300	Class B
Compact Laminate	15 / 30	20 / 55	Class A / B
SCRC	45	95-120	Class B

All Bobrick Partitions are fire-code compliant and qualify for at least Class B Interior Wall & Ceiling Finish Classification

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Interior Finish Compliance- ASTM E84