

RIGIWALL® 4323

Durable Class 1-A sheet for interior wallcovering

Rated Class 1-A to 0.060 in. (1.5 mm). Resists impacts, chemicals, cleaners.

Widest range of colors, textures.



RIGIWALL® 4323 combines exceptional durability, the widest range of color and texture options and long service life in a wallcovering material for schools, hospitals, office buildings, hotels and other high traffic environments.

Available in thicknesses from 0.028 to 0.060 in. (0.7 to 1.5 mm), this proprietary thermoplastic alloy meets Class 1-A flammability requirements, and carries a UL 723 listing. Its high impact strength also resists damage from shopping and luggage carts, wheeled equipment, gurneys and wheelchairs.

RIGIWALL 4323 also helps maintain clean, attractive aesthetics even in damage prone areas. Its integral colors mask marring and scratches that visibly damage painted, laminated and printed materials. It also withstands sanitizing chemicals and strong cleaners needed for removing graffiti and scuff marks.

The material can be adhered directly to interior walls, mechanically fastened, or pre-laminated to substrates like MDF to create strong composite panels. It can also be thermoformed, post-formed and machined to make guards, rails and wall system components in matching and complementary colors.

Advantages

- Meets Class 1-A to 0.060 in. (1.5 mm)
- Durable, high impact resistance
- Abrasion, stain and chemical resistant
- Easy to clean, maintain
- Uniform surface appearance
- Widest range of colors

Applications

- Protective wallcovering
- Pre-laminated panels, partitions
- Crash rails, corner guards
- Profile moldings and trim
- Kick plates, base moldings
 - Health care facilities
 - Long term care facilities
 - Government, commercial buildings
 - Hotels, elevators
 - Schools, gyms, spas
 - Retail stores, supermarkets
 - Detention facilities
 - Airports

Configurations

- Sheet sizes
 - Lengths to 120 in. (3,048 mm)
 - Widths to 60 in. (1,524 mm)
 - Gauges from 0.028 to 0.060 in. (0.7 to 1.5 mm)
 - Custom sizes and rolls on request
- Colors, textures
 - Full range of colors
 - Industry's widest range of textures
 - 500 lb standard minimum

PROPERTIES, RATINGS

PROPERTY	TEST METHOD	RIGIWALL® 4323	
Specific Gravity	ASTM D792	1.41	
Tensile Strength	ASTM D638	5,800 psi	40 MPa
Flexural Strength	ASTM D790	9,500 psi	65.6 MPa
Flexural Modulus	ASTM D790	320,000 psi	2,208 MPa
Izod Impact (notched) @ 73°F (23°C)	ASTM D256	9.7 ft-lb/in.	517.8 J/m
Gardner Impact @ 73°F (23°C) Sheet thickness 0.040" (1.106 mm)	ASTM D5420-04	150 in-lb	16.9 J
Hardness Rockwell R	ASTM D785	110	
Taber Abrasion Wt Loss CS17 Wheel - 1 kg, 1000 cycles	ASTM D3389-15	0.069 mg/rev	

Thermal

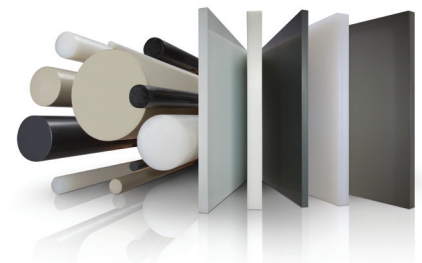
Heat Deflection - annealed @ 264 psi (1.82 MPa)	ASTM D648	165°F	73.9°C
Thermal Expansion x 10 ⁻⁵	ASTM D696	3.5 x 10 ⁻⁵ in./in., °F	6.3 x 10 ⁻⁵ mm/(mm, °C)

Flammability @ max. thickness (UL File # R10633)	ASTM E84	Flame Spread	Smoke Developed
@ 0.060 in. max.	ASTM E84	10	350-450
Class 1A requirements	ASTM E84	<25	<450

RELATED PRODUCTS

RIGIWALL® Class 1-A Wallcovering Sheet Products

RIGIWALL® Grade	Description	Class 1-A max. thickness
4323	Interior, impact resistant	0.060 in. (1.5 mm)
4333	Interior, impact resistant	0.040 in. (1.02 mm)
4333W	UV and impact resistant	0.040 in. (1.02 mm)
4353	Interior, impact resistant	0.125 in. (3.0 mm)
4363	Interior, PVC-free	0.060 in. (1.5 mm)
3D Membrane Pressing and Laminating Grade		
Boltaron 4065MP	Interior, impact resistant	Flammability: UL 94 V-0



SIMONA offers the widest product range of PVC sheet and rod - FM 4910 rated sheet - chemical resistant materials from PVC, PP and PE to fluoropolymers - orthotics and prosthetics sheet - Boltaron® aircraft and specialty sheet - plus proven products for boat building, outdoor furniture and many other industries.

DISCLAIMER AND LIMITATION OF WARRANTY:

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