

Panel Selection Guide

Panel Type	Recommended Use					Opacity		Cost		
	Vertical, Non-Structural	Vertical, Structural	Horizontal, Non-Structural	Shelving, No Load	Shelving, Load Supporting	Transparent or See Through	Opaque	Low	Medium	High
Lexan®	✓		✓	✓		✓			✓	
Wire Mesh	✓		✓			✓		✓		
TRESPA®	✓ ¹	✓	✓ ¹	✓ ¹	✓		✓			✓
Expanded PVC	✓		✓				✓	✓		
Aluminum Veneer	✓	✓		✓	✓		✓		✓	

¹ Can be used, but not an economical solution.

Panel Materials

- Lexan®** High-impact resistant polycarbonate panels provide clarity, safety, security and energy savings. Meets every industry standard for general purpose window glazing. Clear or light grey smoked.
- Wire Mesh** Wire mesh provides a high level of security and can be used for safety guarding and enclosures. PVC coating provides a smooth, snag-free surface that is extremely rust and corrosion resistant.
- TRESPA®** TRESPA® is a solid grade decorative building panel, suitable for horizontal surfaces and vertical panels. Resistant to scratches, corrosives and solvents. Can be drilled and tapped.
- Expanded PVC** Light duty colored panel material, primarily for use vertically. Can also be used as light duty shelving material. Not recommended for temperature over 90°C (194°F).
- Aluminum Veneer** These panels have a very high strength to weight ratio. The panels have clear anodized aluminum skins on each side with a high density hardboard core. These panels can be used in both horizontal and vertical applications.
- Special Items** Special panel materials including color selection of stock material are available. IPS capabilities include custom machining of steel and aluminum panels for use in fixtures, machine bases and assemblies. Contact your local representative or an IPS Application Engineer to review special requirements.
- Special item availability includes:
- Machined Steel and Aluminum Surfaces
 - Welding Curtains
 - Decorative Panels
 - Glass and Clear Plastic Composites
 - Perforated Metal Decking
 - Sound Insulating Panels
 - Wood and Laminate Panels



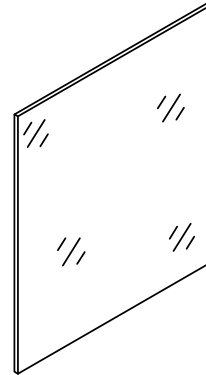
Application

High-impact resistant polycarbonate panels provide clarity, safety, security and energy savings. Meets every industry standard for general purpose window glazing.

Technical Data

Lexan®, clear or light smoked
UL Listed
Maximum Size:
1219.2 x 2438.4mm (4' x 8')

Lexan® Panels



Ordering Information*

Description	Unit	Weight	Part #
3mm Lexan® – Clear	m ²	3.60 kg/m ²	26-790-3P
6mm Lexan® – Clear	m ²	7.62 kg/m ²	26-790-6P
6mm Lexan® – Light Smoked	m ²	7.62 kg/m ²	26-795-6P

* Call for other shades and thicknesses.

* For cut-to-size panels, delete the "P" from the end of the part # and specify panel dimensions. A minimum charge of 1/8 of the standard panel size will apply.

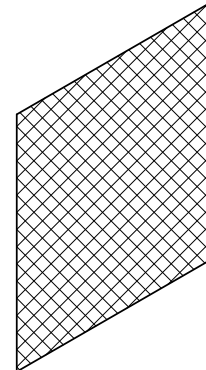
Application

Wire mesh provides a high level of security and can be used for safety guarding and enclosures. Provides a smooth, snag-free surface that is extremely rust and corrosion resistant.

Technical Data

Flat welded steel wire with fuse-bonded PVC coating.
Maximum Size:
1219.2 x 2438.4mm (4' x 8')

Wire Mesh



Ordering Information*

Description	Wire Gage	Unit	Weight	Part #
1/2" x 1/2" Black	16	m ²	2.89 kg/m ²	26-210-05P
1" x 1" Black	12	m ²	4.17 kg/m ²	26-210-10P
1" x 1" Yellow	12	m ²	4.17 kg/m ²	26-250-10P
1½" x 1½" Black	12	m ²	2.98 kg/m ²	26-210-15P
2" x 2" Black	12	m ²	1.92 kg/m ²	26-210-20P

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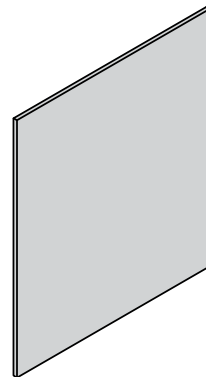
Application

TRESPA® is a solid grade decorative building panel, suitable for horizontal surfaces and vertical panels. Resistant to scratches, corrosives and solvents. Can be cut, drilled and milled. Suitable for doors, shelves and enclosures.

Technical Data

Thermosetting resins, homogeneously reinforced with cellulose fibers.
Non-toxic, asbestos free, has good fire retarding characteristics. Finished on both sides.
Maximum Size:
1828.8 x 2438.4mm (6' x 8')

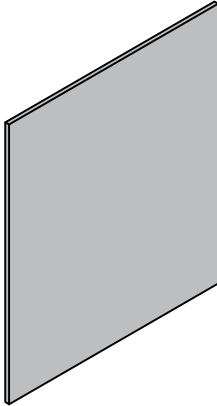
TRESPA® Panels



Thickness	Unit	Weight (kg/m ²)	Part #*			
			Black	Grey	Blue	White
6mm	m ²	8.57	26-410-6P	26-420-6P	26-430-6P	26-480-6P
8mm	m ²	11.4	26-410-8P	–	–	–
10mm	m ²	14.3	–	–	26-430-10P	–

* For cut-to-size panels, delete the "P" from the end of the part # and specify panel dimensions. A minimum charge of 1/8 of the standard panel size will apply.

Expanded PVC



Application

Light duty colored panel material, primarily for use vertically. Can also be used as light duty shelving material.

Technical Data

Rigid expanded foam polyvinyl chloride (PVC)

UL Recognized

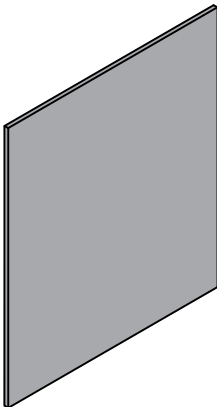
Maximum Size:
1219.2 x 2438.4 mm (4' x 8')

Ordering Information*

Description	Unit	Weight	Part #
6mm Expanded PVC – Black	m ²	4.19 kg/m ²	26-510-6P
6mm Expanded PVC – Blue	m ²	4.19 kg/m ²	26-530-6P
6mm Expanded PVC - White	m ²	4.19 kg/m ²	26-580-6P

* For cut-to-size panels, delete the "P" from the end of the part # and specify panel dimensions. A minimum charge of 1/8 of the standard panel size will apply.

Aluminum Veneer



Application

These panels have a very high strength to weight ratio. The panels have clear anodized aluminum skins on each side with a high density hardboard core. These panels can be used in both horizontal and vertical applications.

Technical Data

Veneer - Anodized Aluminum

Core - High Density Hardboard**

Maximum Size:
1219.2 x 2438.4 mm (4' x 8')

Ordering Information*

Description	Unit	Weight	Part #
6mm Aluminum Veneer - Black**	m ²	5.32 kg/m ²	26-110-6P
6mm Aluminum Veneer - Clear	m ²	5.32 kg/m ²	26-170-6P
6mm Aluminum veneer - White**	m ²	5.32 kg/m ²	26-180-6P

* For cut-to-size panels, delete the "P" from the end of the part # and specify panel dimensions. A minimum charge of 1/8 of the standard panel size will apply.

** PVC core