

PROTECT ENVIRONMENTAL PARTITION

Manuf. By Edge Guard



Dust Free Barrier System
Patent Pending

Innovative Products for Clean Construction

PROTECT ENVIRONMENTAL PARTITIONS

- Our light weight modular panels assemble quickly without the use of tools.
- Panels adjust in height from 7'-8" to 10'-0".
- We offer 12", 24", 36" and 48" wide panels.
- Door panels have a hydraulic closer and lever style lockset with standard 2 3/4" backset. We also offer a programmable push button lockset.
- Hinged corner posts allow for angled configurations.
- We offer Porting options on our 24" panels for 8" diameter and 10" diameter HEPA exhaust with a differential pressure monitoring option.
- Custom Engineered camlock fasteners join panels together. Custom grid clips secure panels to ceiling "T" bar grid.
- One person can typically set up a 2' x 12' enclosure in less than an hour. Breakdown in less than a half hour.
- Our system's labor savings when compared to using metal studs and drywall and Environmental Partition is reuseable.
- The panels allow light to pass through creating a pleasant, safe work environment without the need of added temporary lighting. When exiting the enclosure pedestrian traffic can be seen avoiding collisions.
- Panels are easily cleaned and sanitized.

MSDS & RECOMMENDATIONS

Product	Report #	ASTM E-84			ASTM D-635	
		Flame Spread	Smoke Developed	Class	Report #	
4.5mm	3149389SAT-001	0	50	A	P20080934 RJ0844-3 P20081193	CC1
6mm	3149389SAT-002	0	85	A		CC1
8mm	RJ1009-2	0	10	A		CC1
10mm	177:012509-04	0	15	A		CC1
16mm	177:012509-02	5	30	A		CC1
16mm "X"	654:028183-1	5	35	A	654:0281839-9	CC1
16mm 6 walls	177:012509-02	5	30	A	166999-46	CC1
20mm "X"	654:028183-3	5	45	A	654:0281839-11	CC1
25mm "X"	654:028183-5	5	35	A	654:0281839-13	CC1
25mm Triple-wall	RJ0535-3	5	40	A	RJ0535-2	CC1
32mm "X"	654:028183-7	5	45	A	654:0281839-15	CC1
40mm Thermoclick	RJ0892-1	10	140	A	RJ0892-3	CC1
50mm Thermoclick	RJ1216-1	5	40	A	RJ1216-4	CC1

1) **Class CC1:** Plastic materials that have a burning extent of 1"(25mm) per minute or less were tested at nominal thickness of 0.060" (1.5mm), or in the thickness intended for use, in accordance with ASTM D-635.

2) **Class CC2:** Plastic materials that have a burning extent of 2.5" per minute (1.06 mm/s) or less were tested at nominal thickness of 0.060" (1.5mm), or in the thickness intended for use, in accordance with ASTM D-635.

Flame-spread and smoke density developed rating for interior surface material are determined through **ASTM E-84**. According to the NFPA, a Class A Interior Wall and Ceiling Finish has a flame-spread rating of **25 or less** and a smoke density developed rating of **450 or less**. These surface burning characteristics are usually expressed in the form of a ratio, such as 25/450.

Class A: Flame spread of 0 through 25 | **Class B:** 26 through 75 | **Class C:** 76 through 200



Environmental Partition Cleaning Recommendations

- Clean panels with a soft grit free cloth, preferably cotton, and a mild spray cleaner or window cleaner.
- Sanitizing: use a soft cotton cloth with a commercial sanitizer or 1:10 bleach to water solution. You should perform a test in small area when first using a new cleaning or sanitizing product.
- Fresh paint splashes, grease and smeared glazing compounds can be removed easily before drying by rubbing lightly with a soft cloth using petroleum ether (BP65), hexane or heptane. Afterwards, wash the sheet using mild soap and lukewarm water.
- Scratches and minor abrasions can be minimized by using a mild automobile polish. We suggest that a test be made on a small area of Lexan sheet with the polish selected and that the polish manufacturer's instructions be followed, prior to using the polish on the entire sheet. Finally, thoroughly rinse with clean water to remove any cleaner residue and dry the surface with a soft cloth to prevent water spotting.

Other Important Instructions for all Environmental Partition Panels:

- Never use abrasive or highly alkaline cleaner on Lexan polycarbonate materials.
- Never use aromatic or halogenated solvents like toluene, benzene, gasoline, acetone or carbon tetrachloride on Lexan polycarbonate materials.
- Use of incompatible cleaning materials with Lexan sheet can cause structural and/or surface damage.
- Contact with harsh solvents such as methyl ethylketone (MEK) or hydrochloric acid can result in surface degradation and possible crazing of Lexan sheet.
- Never scrub with brushes, steel wool or other abrasive materials.
- Never use squeegees, razorblades or other sharp instruments to remove deposits or spots.
- Do not clean Lexan polycarbonate in direct sunlight or at high temperatures as this can lead to staining.

Additional Important Considerations for Environmental Partition Panels:

- Cleaners and solvents generally recommended for use on polycarbonate are not necessarily compatible with the UV-protected surfaces of Lexan multiwall, corrugated and sign polycarbonate materials.
- Do not use alcohols on the UV-protected surfaces of Lexan sheet.
- Use butyl cellosolve with a clean, soft cloth to remove paints, marking pen inks and lipstick. Afterwards, wash the sheet using mild soap and lukewarm water, then rinse with clean water to remove residue and dry with a soft cloth.
- Masking tape and adhesive tape work well for lifting off old, weathered paints.
- To remove labels stickers, the use of kerosene or petroleum ether (BP65) is generally effective. If the solvent does not penetrate the sticker material, apply heat using a hair dryer to soften the adhesive and promote removal. Afterwards the cleaning procedure for small areas as outlined above should be followed.