

SECURITY BARS

Window security bars are custom made from durable perforated aluminum and provide superior strength and unbeatable protection. They are a perfect solution for door lites, side lites, transom windows, or anywhere that space and security are a concern



 **The Shutter PROS**
ROLL-UP SECURITY SHUTTERS

Leading the industry in

SECURITY SOLUTIONS
FOR EDUCATIONAL FACILITIES

SECURE AND PROTECT

Window security bars are an innovative solution to protect exposed windows and prevent vandalism and break-ins.

SAVE MONEY

Security bars eliminate expensive glass replacement and reduce maintenance costs. Save maintenance time as well, with our specially formulated anti-graffiti coating and simply wipe away graffiti.

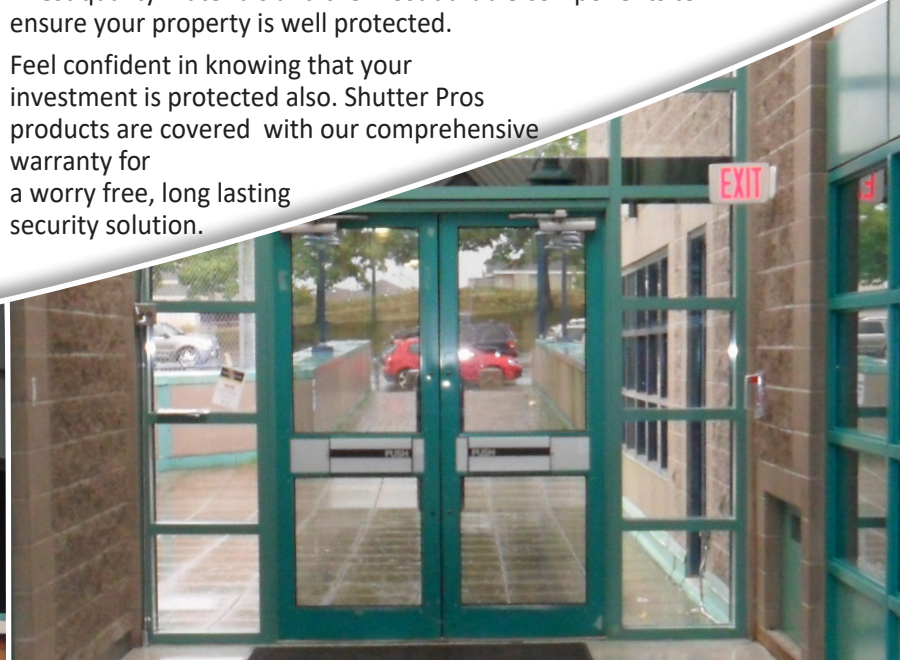
IMPROVE MORALE

Our security bars blend seamlessly into the building envelope and do not obstruct natural daylight resulting in improved faculty and student morale when compared to other security options available.

HAVE PEACE OF MIND

Security bars are engineered to withstand forced entry using the finest quality materials and the most durable components to ensure your property is well protected.

Feel confident in knowing that your investment is protected also. Shutter Pros products are covered with our comprehensive warranty for a worry free, long lasting security solution.



SPECIFICATIONS

Panel: Perforated panels made from 3.175 mm (1/8") 3030 H14 aluminum sheet. Perforations are die punched 6.35 mm (1/4") diameter holes, on 9.53 mm (3/8") centres, with 9.53 mm (3/8") offset rows and a panel openness factor of 42%.

Frame: The Vandal Panel™ frame structure is made from 6065T5 aluminum extrusion with a wall thickness of 1.3 mm (0.050"). Nominal size of the extrusion is 38 mm wide by 13 mm high (1 1/2" x 1/2") with a 19 mm (3/4") open channel for perforated panel penetration and 19 mm (3/4") hollow section for hardware mounting. Mounting-side of frame incorporates two tracks for slide-on aluminum build-up.

Build-Up: If applicable, heavy-gauge aluminum build-up can be applied to the back of the frame on all four sides 35 mm (1 3/8") wide with depth specified as per the Vandal Panel™ schedule.

Finish: All fixed panel components are cleaned, sealed and custom painted with a pure two-component polyurethane paint system, utilizing aliphatic isocyanate reacted with resin polyols.

Minimum dry film thickness 2.5 mil (65 microns).

CUSTOM COLOURS

Window Bars are designed to harmonize with your property and are available in your choice of over 1800 Benjamin Moore custom colours. We recommend Window Grey or Window Green as shown below. These two colours blend the best with window surfaces.



WINDOW GREY WINDOW GREEN

To select your custom paint colour, refer to the Benjamin Moore paint fan and indicate the paint name and number when placing your order.

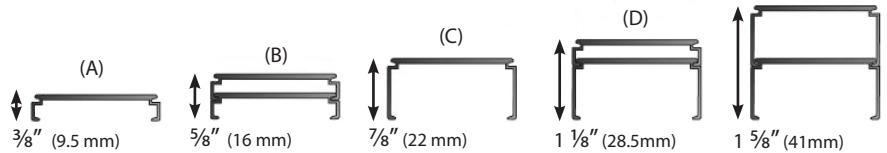
RETAIL PRICING

		Horizontal Scale: Width including Frame (A2)									
Feet			1'		2'		3'		4'		
	Inches	Metres	6"	12"	18"	24"	30"	36"	42"	48"	
			0.15	0.30	0.46	0.61	0.76	0.91	1.07	1.22	
1'	6	0.15	n/a	n/a	n/a	226	242	259	270	286	
	12"	0.30	n/a	222	241	264	288	311	329	353	
	18"	0.46	n/a	241	266	297	328	359	384	415	
2'	24"	0.61	226	264	297	335	373	411	444	482	
	30"	0.76	242	288	328	373	418	464	504	549	
3'	36"	0.91	259	311	359	411	464	516	564	616	
	42"	1.01	270	329	384	444	504	564	618	678	
4'	48"	1.22	286	353	415	482	549	616	678	746	
	54"	1.37	302	376	446	520	595	669	738	813	
5'	60"	1.52	318	400	476	558	640	722	798	880	
	66"	1.68	329	418	502	591	680	769	853	942	
6'	72"	1.83	346	442	533	629	725	822	913	1009	
	78"	1.98	362	465	564	667	771	874	973	1076	
7'	84"	2.13	378	489	594	705	816	927	1032	1143	
	90"	2.29	389	507	620	738	856	974	1087	1205	
8'	96"	2.44	405	531	651	776	902	1027	1147	1272	
	102"	2.59	422	554	682	814	947	1080	1207	1340	
9'	108"	2.74	438	578	712	852	992	1132	1267	1407	
	114"	2.90	449	596	738	885	1032	1180	1321	1469	
10'	120"	3.05	465	619	769	923	1078	1232	1381	1536	

* Prices subject to change. Includes custom paint and security screws. \$100 upcharge for anti-graffiti coating.

BUILD-UP

To make your installation of Vandal Panels™ plumb and level, We offers two sizes of aluminum build-up: 3/8" and 7/8" (9.5 mm and 22 mm). The most popular combinations are shown and priced out in the table below. For greater build-up depths, contact Us for alternative components. All Vandal Panel™ frames include 1/4" (6.5 mm) build-up. Half of this depth will be reduced when the first layer of build up is added. The resulting depths of the various build-up combinations are shown in the table below. (E)



The measurements shown above are the total depth once combined.

Each piece of build-up measures 1 3/8" (35 mm) in width

	Total Build-Up depth with Vandal Panel™ Frame				
	(A) 1/2" (13 mm)	(B) 3/4" (19 mm)	(C) 1" (25 mm)	(D) 1 1/4" (32 mm)	(E) 1 3/4" (45 mm)
Price per metre	\$10	\$ 20	\$12	\$ 22	\$ 24
Price per inch	\$ 0.25	\$ 0.51	\$ 0.30	\$ 0.56	\$ 0.60

ANTI-GRAFFITI COATING

Shutter pros offers an optional non-sacrificial anti-graffiti coating designed to allow for easy clean-up of graffiti from the Vandal Panel™ surfaces. Our anti-graffiti coating is a modified aliphatic-polyurethane coating with enhanced abrasion resistance to provide resistance to chemicals, abrasions and impact. Anti-graffiti coating is a clear coat that provides a gloss finish over stock and custom colours, and offers colour retention and a non-stick surface. It is applied with a dry film thickness of 1.0 - 2.0 mils (25-50 microns). Hardness: ASTM D3363, 2H. Solvent Resistance: ASTM D4752, 100 MEK rubs; NO failure. Abrasion Resistance: 1000 cycles CS-17, ASTM D4060, 32 mg loss. Impact Resistance: ASTM D2794, 40 in lbs; NO failure. Flexibility: ASTM D522, 1/8" mandrel bend; NO failure.

All Window security bars applied with anti-graffiti coating can be cleaned easily saving money on maintenance.