

VANDAL PANELS™

TALIUS®

Leading the industry in

SECURITY SOLUTIONS

FOR EDUCATIONAL FACILITIES

VANDAL PANELS[™] 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

SECURE AND PROTECT

Talius Vandal Panels[™] are an innovative solution to protect exposed windows and prevent vandalism and break-ins.

SAVE MONEY

Vandal Panels[™] 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 Vandal Panels[™] 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

Vandal Panels[™] 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. Talius products are covered with our comprehensive warranty for a worry free, long lasting security solution.

SPECIFICATIONS

Panel: Perforated panels made from 3.175 mm ($\frac{1}{6}$ ") 3030 H14 aluminum sheet. Perforations are die punched 6.35 mm ($\frac{1}{6}$ ") diameter holes, on 9.53 mm ($\frac{3}{6}$ ") centres, with 9.53 mm ($\frac{3}{6}$ ") offset rows and a panel openness factor of 42%.

Frame: The Vandal PanelTM 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 $\frac{1}{2}$ " x $\frac{1}{2}$ ") with a 19 mm ($\frac{3}{4}$ ") open channel for perforated panel penetration and 19 mm ($\frac{3}{4}$ ") hollow section for hardware mounting. Mounting-side of frame incorporates two tracks for slide-on aluminum build-up.

Build-Up: If applicable, heavy-guage aluminum build-up can be applied to the back of the frame on all four sides 35 mm (1 %'') wide with depth specified as per the Vandal PanelTM schedule.

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

Minimum dry film thickness 2.5 mil (65 microns).

CUSTOM COLOURS

Vandal Panels[™] 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)
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Feet										
				1′		2′		3′		4′
	Inches		6″	12″	18″	24″	30″	36″	42″	48″
		Metres	0.15	0.30	0.46	0.61	0.76	0.91	1.07	1.22
	6	0.15	n/a	n/a	n/a	226	242	259	270	286
1'	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
		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′		2.13	378	489	594	705	816	927	1032	1143
	90″	2.29	389	507	620	738	856	974	1087	1205
8′		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
	2' 3' 4' 5' 6' 7' 8' 9'	6 1' 12" 18" 2' 24" 30" 3' 36" 42" 4' 48" 54" 5' 60" 66" 6' 72" 78" 7' 84" 90" 8' 96" 102" 9' 108" 114"	Metres 6 0.15 1' 12" 0.30 18" 0.46 2' 24" 0.61 30" 0.76 3' 36" 0.91 42" 1.01 42" 1.01 44" 48" 1.22 54" 1.37 5' 60" 1.52 66" 1.68 6' 72" 1.83 78" 1.98 7' 84" 2.13 90" 2.29 8' 96" 2.44 102" 2.59 9' 108" 2.74 114" 2.90	Metres 0.15 6 0.15 n/a 1' 12" 0.30 n/a 18" 0.46 n/a 2' 24" 0.61 226 30" 0.76 242 3' 36" 0.91 259 42" 1.01 270 4' 48" 1.22 286 54" 1.37 302 5' 60" 1.52 318 66" 1.68 329 6' 72" 1.83 346 78" 1.98 362 7' 84" 2.13 378 90" 2.29 389 8' 96" 2.44 405 90" 2.59 422 9' 108" 2.74 438 114" 2.90 449	Metres 0.15 0.30 6 0.15 n/a n/a 1' 12" 0.30 n/a 222 18" 0.46 n/a 241 2' 24" 0.61 226 264 30" 0.76 242 288 3' 36" 0.91 259 311 42" 1.01 270 329 4' 48" 1.22 286 353 54" 1.37 302 376 5' 60" 1.52 318 400 66" 1.68 329 418 6' 72" 1.83 346 442 78" 1.98 362 465 7' 1.83 346 445 90" 2.29 389 507 84" 2.13 378 489 90" 2.29 389 507 8' 96" 2.44 <	Metres 0.15 0.30 0.46 6 0.15 n/a n/a n/a 1' 12" 0.30 n/a 222 241 18" 0.46 n/a 241 266 2' 24" 0.61 226 264 297 30" 0.76 242 288 328 3' 36" 0.91 259 311 359 42" 1.01 270 329 384 4' 48" 1.22 286 353 415 54" 1.37 302 376 446 5' 60" 1.52 318 400 476 66" 1.68 329 418 502 6' 72" 1.83 346 442 533 7' 84" 2.13 378 489 594 90" 2.29 389 507 620 8' 96" <td>Metres 0.15 0.30 0.46 0.61 1' 12" 0.30 n/a n/a n/a 226 1' 12" 0.30 n/a 222 241 264 18" 0.46 n/a 241 266 297 2' 24" 0.61 226 264 297 335 30" 0.76 242 288 328 373 3' 36" 0.91 259 311 359 411 42" 1.01 270 329 384 444 4' 48" 1.22 286 353 415 482 54" 1.37 302 376 446 520 5' 60" 1.52 318 400 476 558 66" 1.68 329 418 502 591 6' 72" 1.83 346 442 533 627</td> <td>Metres 0.15 0.30 0.46 0.61 0.76 1' 12" 0.30 n/a n/a n/a 226 242 1' 12" 0.30 n/a 222 241 264 288 18" 0.46 n/a 241 266 297 328 2' 24" 0.61 226 264 297 335 373 30" 0.76 242 288 328 373 418 3' 36" 0.91 259 311 359 411 464 42" 1.01 270 329 384 444 504 4' 48" 1.22 286 353 415 482 549 5' 60" 1.52 318 400 476 558 640 66" 1.68 329 418 502 591 680 6' 72" 1.83 346</td> <td>Metres 0.15 0.30 0.46 0.61 0.76 0.91 1' 12" 0.30 n/a n/a n/a 226 242 259 1' 12" 0.30 n/a 222 241 264 288 311 18" 0.46 n/a 241 266 297 328 359 2' 24" 0.61 226 264 297 335 373 411 30" 0.76 242 288 328 373 418 464 3' 36" 0.91 259 311 359 411 464 516 42" 1.01 270 329 384 444 504 564 4' 48" 1.22 286 353 415 482 549 616 54" 1.37 302 376 446 520 595 669 5' 60" 1.52</td> <td>Metres 0.15 0.30 0.46 0.61 0.76 0.91 1.07 1' 12" 0.30 n/a n/a n/a 226 242 259 270 1' 12" 0.30 n/a 222 241 264 288 311 329 18" 0.46 n/a 241 266 297 328 359 384 2' 24" 0.61 226 264 297 335 373 411 444 30" 0.76 242 288 328 373 418 464 504 36" 0.91 259 311 359 411 464 516 564 42" 1.01 270 329 384 444 504 564 618 44" 48" 1.22 286 353 415 482 549 616 678 54" 1.37 302 376</td>	Metres 0.15 0.30 0.46 0.61 1' 12" 0.30 n/a n/a n/a 226 1' 12" 0.30 n/a 222 241 264 18" 0.46 n/a 241 266 297 2' 24" 0.61 226 264 297 335 30" 0.76 242 288 328 373 3' 36" 0.91 259 311 359 411 42" 1.01 270 329 384 444 4' 48" 1.22 286 353 415 482 54" 1.37 302 376 446 520 5' 60" 1.52 318 400 476 558 66" 1.68 329 418 502 591 6' 72" 1.83 346 442 533 627	Metres 0.15 0.30 0.46 0.61 0.76 1' 12" 0.30 n/a n/a n/a 226 242 1' 12" 0.30 n/a 222 241 264 288 18" 0.46 n/a 241 266 297 328 2' 24" 0.61 226 264 297 335 373 30" 0.76 242 288 328 373 418 3' 36" 0.91 259 311 359 411 464 42" 1.01 270 329 384 444 504 4' 48" 1.22 286 353 415 482 549 5' 60" 1.52 318 400 476 558 640 66" 1.68 329 418 502 591 680 6' 72" 1.83 346	Metres 0.15 0.30 0.46 0.61 0.76 0.91 1' 12" 0.30 n/a n/a n/a 226 242 259 1' 12" 0.30 n/a 222 241 264 288 311 18" 0.46 n/a 241 266 297 328 359 2' 24" 0.61 226 264 297 335 373 411 30" 0.76 242 288 328 373 418 464 3' 36" 0.91 259 311 359 411 464 516 42" 1.01 270 329 384 444 504 564 4' 48" 1.22 286 353 415 482 549 616 54" 1.37 302 376 446 520 595 669 5' 60" 1.52	Metres 0.15 0.30 0.46 0.61 0.76 0.91 1.07 1' 12" 0.30 n/a n/a n/a 226 242 259 270 1' 12" 0.30 n/a 222 241 264 288 311 329 18" 0.46 n/a 241 266 297 328 359 384 2' 24" 0.61 226 264 297 335 373 411 444 30" 0.76 242 288 328 373 418 464 504 36" 0.91 259 311 359 411 464 516 564 42" 1.01 270 329 384 444 504 564 618 44" 48" 1.22 286 353 415 482 549 616 678 54" 1.37 302 376

• 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^M plumb and level, Talius offers two sizes of aluminum build-up: $\frac{3}{6}$ " (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 Talius for alternative components. All Vandal Panel^M frames include $\frac{3}{6}$ " (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.



78 (9.5 mm)

The measuremen	s shown above are	the total depth o	nce combined.

Each piece of build- up measures 1 ¾"	Total Build-Up depth with Vandal Panel™ Frame							
(35 mm) in width	(A) ½″ (13 mm)	(B) ¾" (19 mm)	(C) 1″ (25 mm)	(D) 1 ¼″ (32 mm)	(E) 1 ¾" (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

To prevent damage to Vandal Panels[™], Talius offers an optional non-sacrificial anti-graffiti coating designed to allow for easy clean-up of graffiti from the Vandal Panel[™] surfaces. Talius 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, ½" mandrel blend; NO failure.

All Talius Vandal Panels[™] applied with Talius anti-graffiti coating can be cleaned easily saving money on maintenance.

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