



SECURIFOR® 3510 SINGLESKIN

A VERSATILE FLAT-PANEL FENCING SOLUTION FOR MEDIUM- TO-HIGH SECURITY APPLICATIONS

Durable and more secure than similar bent-panel systems, Securifor® 3510 Singleskin is ideal for commercial and industrial areas with medium-to-high security requirements.



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BETAFENCE

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A VERSATILE FLAT-PANEL FENCING SOLUTION FOR MEDIUM-TO-HIGH SECURITY APPLICATIONS

Durable and more secure than similar bent-panel systems, Securifor® 3510 Singleskin is ideal for commercial and industrial areas with medium-to-high security requirements.



ANGLE IRON POST

Dimensions: Post: 70 x 70 x 6 mm

Cover plate: 70 x 6 mm

Manufacture: Hot-dip galvanised in compliance with ISO-1461 coating standards and pre-drilled for fixing panels. PVC-coated when sold with PVC-coated panels.

Panel Attachment: Fixed using stainless steel cup square bolts (M8 x 40 mm) and tamper-proof sheer nuts.



SQUARE POST

Type: A hollow square post

Dimensions: 76 x 76 x 2 mm

Manufacture: Hot-dip galvanized and lead-free, PVC-coated, with inserts for fixing the panels, then covered with a plastic cap. Sold with PVC-coated panels.

Panel Attachment: Using a 70 x 6 mm cover strip, to the front of the posts, secured using threaded inserts in the posts and security bolts.

Choose high-density mesh for added security, bends for added rigidity and overall low visual impact.

A VARIETY OF EXTENSIONS, ACCESSORIES AND ATTACHMENTS ARE AVAILABLE FOR EACH POST TYPE.

Benefits

DURABILITY

Highly durable Zincalu® and PVC coatings guarantee an extra-long lifespan and low maintenance, while the advanced anti-corrosion properties can handle any environment.

SECURITY

Robust wire and weld joints make cutting through the system using conventional bolt or wire cutters very difficult, while small mesh apertures offer no toe or finger holds. Furthermore, structural components ensure that the edges of the panels are secure and cannot be accessed.

VISIBILITY

Despite the small mesh apertures, the panels offer excellent visibility to keep your site in constant view with unobstructed camera surveillance, and at an angle.

AESTHETICS

Flat panels, fixed to the posts using top and bottom rails and a flat bar cover strip, makes our Securifor® 3510 Single Skin secure and discreet with minimum visual impact on the immediate environment.

10-YEAR GUARANTEE

State-of-the-art PVC-coating technology underpins our 10-year, insurance-underwritten, anti-corrosion guarantee when original Betafence panels, posts and fixators are used.

Applications



WAREHOUSES



DISTRIBUTION CENTRES



POWER PLANTS



HOSPITALS & HEALTHCARE



EDUCATIONAL FACILITIES



COURTS & PUBLIC BUILDINGS



INFRASTRUCTURE

Security Level

LOW

HIGH

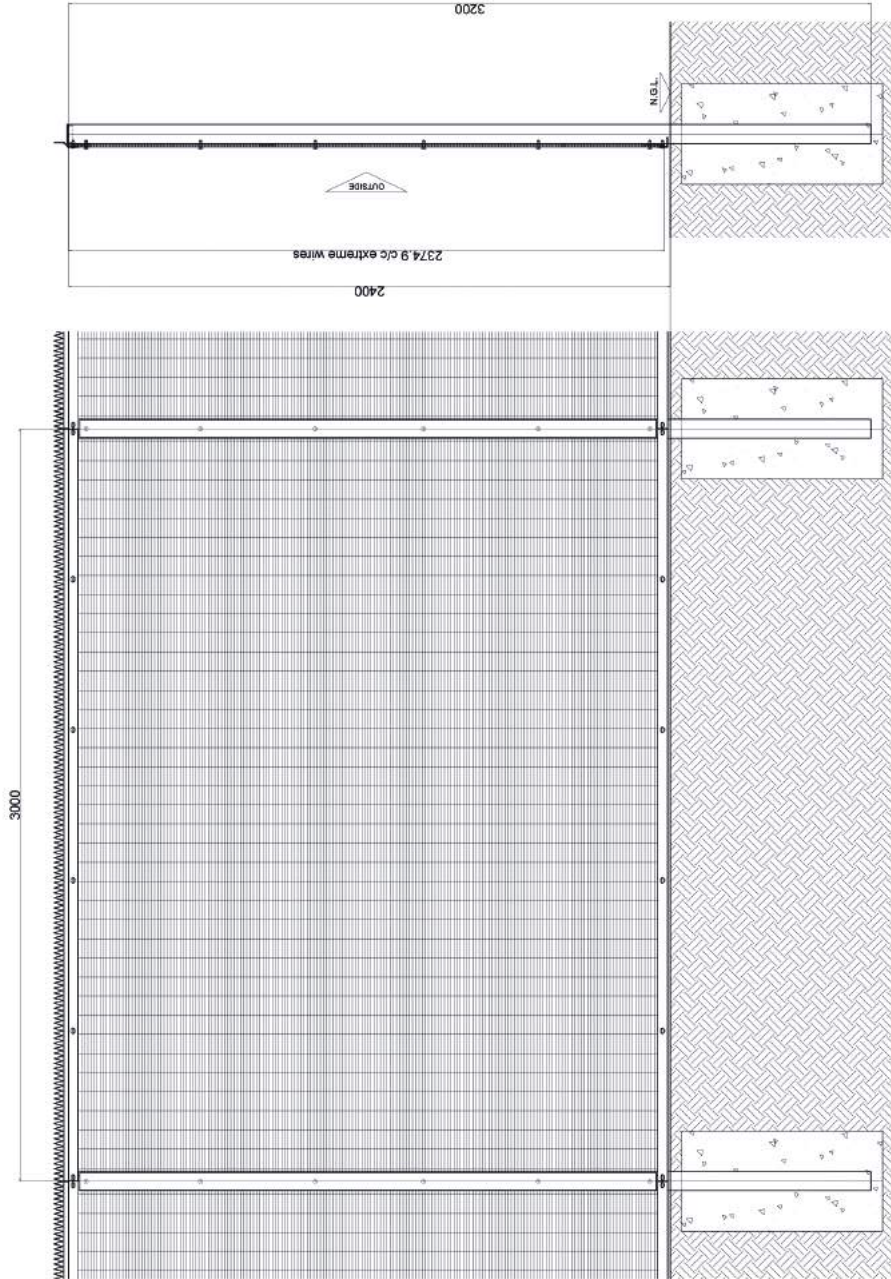
HIGH

VISIT WWW.BETAFENCE.CO.ZA FOR MORE TECHNICAL INFORMATION.

10-YEAR GUARANTEE

SECURIFOR® 3510 SINGLESKIN

ARCHITECTURAL TOOLS SUCH AS REVIT FAMILIES ARE AVAILABLE ON REQUEST



ELEVATION FROM OUTSIDE

Material Schedule per unit Intermediate Post			Material Schedule per unit Panel			Material Schedule per unit Corner Post					
Qty	Component	Description	Length	Qty	Component	Description	Length	Qty	Component	Description	Length
1	Post	SHS 76 x 76 x 2.0	3000	1	Mesh	3510 SS FP x 2375	3048	1	Post	SHS 76 x 76 x 2.0	3200
1	Cap	Polyamide cap	2399	1	Combo rail/galv	Z40 x 20 x 40 x 2.5	2998	1	Cap	Polyamide cap	2399
1	Cover Plate	Flat 70 x 6	40	1	Bottom rail	Angle 40 x 40 x 3	2998	2	Cover Plate	Flat 70 x 6	2399
6	Allern socket bolt	M8 mushroom head	40	4	Allern socket bolt	M8 mushroom head	40	12	Allern socket bolt	M8 mushroom head	40
6	Nut	M8 Rivnut	40	4	Nut	M8 Rivnut	40	12	Nut	M8 Rivnut	40
6	Washer	M8 Flat	40	4	Washer	M8 Flat	40	12	Washer	M8 Flat	40
				8	Nut	M8 Shear-off	40				
				8	Washer	Fender					

SECTION THRU

Material Schedule per unit Intermediate Post			Material Schedule per unit Panel			Material Schedule per unit Corner Post					
Qty	Component	Description	Length	Qty	Component	Description	Length	Qty	Component	Description	Length
1	Post	SHS 76 x 76 x 2.0	3000	1	Mesh	3510 SS FP x 2375	3048	1	Post	SHS 76 x 76 x 2.0	3200
1	Cap	Polyamide cap	2399	1	Combo rail/galv	Z40 x 20 x 40 x 2.5	2998	1	Cap	Polyamide cap	2399
1	Cover Plate	Flat 70 x 6	40	1	Bottom rail	Angle 40 x 40 x 3	2998	2	Cover Plate	Flat 70 x 6	2399
6	Allern socket bolt	M8 mushroom head	40	4	Allern socket bolt	M8 mushroom head	40	12	Allern socket bolt	M8 mushroom head	40
6	Nut	M8 Rivnut	40	4	Nut	M8 Rivnut	40	12	Nut	M8 Rivnut	40
6	Washer	M8 Flat	40	4	Washer	M8 Flat	40	12	Washer	M8 Flat	40
				8	Nut	M8 Shear-off	40				
				8	Washer	Fender					

SPECIFICATIONS

- Posts:**
- SHS 76 x 76 x 2.0 x 3200mm long.
 - Set posts vertically into ground at 3000mm centres.
 - Longer posts will be required where fence steps > 200mm.

Foundations:

- Cast 400 x 400 x 800 deep 15MPa/19 stone at each post.
- Ground conditions may require additional concrete.

Lateral Support:

- Lateral support shall comprise of two horizontal rails
- At the top, a purpose bent Z-profile combo sawtooth serrated edge spike/rail 40 x 20 x 40 x 2.5mm thick fabricated from 100mm wide sheet metal strip shall cap over the mesh panel and be fixed to the fence posts providing lateral support and to deter climbing.
- At the bottom, an angle 40 x 40 x 3mm.

High Density Mesh Panels:

- Mesh panels shall be ref. 3510 Singleskin (SS) Flat Panel (FP), fabricated from high tensile steel with a yield strength of 60% and a tensile strength of 500N/mm².
- Horizontal and vertical wires shall have a core diameter of 3.00mm with a tolerance of +/- 0.07mm
- Apertures shall be 76.2mm W x 12.7mm H c/c of wires.
- Panel finish size tolerances: width +/- 2.0mm and height +/- 6mm
- Mesh panels are manufactured with Zincalu wire (Galvan).

Tamper Proof Fixing:

- Top Posts: Clamp fixed with Flat 70 x 6 cover strips, using M8 Allen socket mushroom head bolts, rivnuts & flat washers.
- Top Rails: Bolted using M8 anti-vandal cupsquare bolts, shear-off nuts & Fender washers.
- All fasteners and fixing screws shall be Grade 304 Stainless Steel.

Anti Climb Over Protection:

- Purpose bent Z-profile combo serrated spike/rail (ref lateral rail)

Corrosion Protection:

- Initial Coating: Zincalu.
- Mesh Panels: Zincalu.
- Posts, Structure, Cover Plates, Rails & Spikes: HD Galvanised.

Additional Coating:

- Fence Mesh Panels, Posts, Structure, Cover plates, Rails, & Spikes shall be uniformly PVC coated, which is free of lead, cadmium and DOP, to a minimum thickness of 200µm (microns) in accordance to EN 10245-2 Steel wire and wire products - Organic coatings on steel wire - Part 2: PVC finished wire.
- Finish colours shall be either RAL 7021 Anthracite or RAL 6005 Green

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REVISIONS

Rev.	Date	Description	Drawn	Checked	Status
0	Aug 2015	ISSUED FOR CONSTRUCTION	DJ		

3510 SINGLESKIN FLAT PANEL x 2400 HIGH FENCE ON SQUARE 76 x 76
POSTS - STANDARD

project: 3510_011_0_FEN_GEN_3000_2400_3510_USS-FP_576_FB_5T

SECURIFOR® 3510 SINGLESKIN

Specifications

CORE WIRE DIAMETER: 3 mm

AFTER PVC COATING: 3.4 mm

PANEL APERTURE: 76.2 x 12.8 mm

NOMINAL FENCE HEIGHT (MM)	PANELS WIDTH X HEIGHT (MM)	POST LENGTH (MM)	ANGLE IRON BOTTOM RAIL	ANGLE IRON POSTS		SQUARE POSTS
				INTERMEDIATE POSTS	END POSTS	INTERMEDIATE AND END POSTS
2000	3048 x 1969	2600	2996 x 40 x 40 x 3	70 x 70 x 6	70 x 70 x 6	76 x 76 x 2
2400	3048 x 2385	3000 (angle) 3200 (square)	2996 x 40 x 40 x 3	70 x 70 x 6	70 x 70 x 6	76 x 76 x 2

OTHER HEIGHTS AVAILABLE ON REQUEST

AVAILABLE COLOUR OPTIONS: GREEN PVC

ANTHRACITE PVC

HDG/ZINCALU

➤ **10-YEAR** GUARANTEE

➤ **ISO 9000 CERTIFIED**

➤ **LEVEL 3 BBBEE COMPANY**

➤ **98% OF THE MATERIALS THAT WE SELL IN SA ARE LOCALLY MANUFACTURED**

➤ **WE UPSKILL LOCAL CONTRACTORS THROUGH INSTALLATION TRAINING**

➤ **PROUDLY MANUFACTURING IN THE WESTERN CAPE SINCE 1997**

About BETAFENCE

Betafence is the global leader of total perimeter solutions, guaranteeing complete peace of mind for clients around the world.

Strict adherence to Betafence International's ISO9001-2008 manufacturing standards ensures that Betafence South Africa's clients enjoy the same unrivalled benefits and high-quality standards that Betafence promises worldwide.

Based in Paarl in the Western Cape, our factory manufactures 98% of local Betafence products. Additionally, over 95% of the base materials used in the manufacturing process are local, while over 92% of the wire is made from recycled material.

Further more, we are the only company in South Africa to offer a 10-year, insurance-underwritten, anti-corrosion guarantee on all of our PVC-coated fencing systems.

Betafence South Africa is a Level 3 BBBEE company.



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