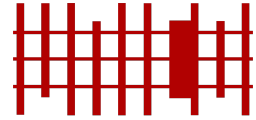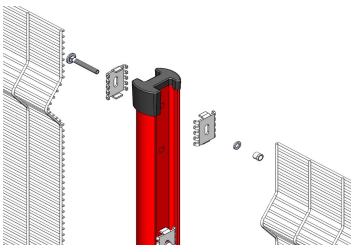# UNICOShield®
Modular Fencing Systems for Secure Perimeter Demarcation

UNICOShield is a modular weld-mesh fencing system that is designed to deliver security, without compromising elegance and durability. The close lattice geometry makes it impossible for any intruder to grip the fence and climb over. It also makes it difficult for anyone to use wire cutting tools to create an opening. The fence simply does not provide sufficient space for operating a cutting tool.

Modular design allows end-users and DIY enthusiasts to order components like the panel, post, and accessories and assemble UNICOShield on site without any on-site welding or painting in a few hours. UNICOShield fences offer the benefits of robot-welded strong metal meshes and eye-catching finish, that is easy to hose down, UV resistant, corrosion-free and does not peel or require repainting after every monsoon.

UNICOShield can be identified by its signature anti climb panel with its distinctive mesh geometry. The panel is designed to restrict the climb and cut through fence; and this design theme is further expressed through the difficult-to-access security fasteners and fortified posts that enable the optional top-mounted barbed wire/concertina coil add-ons.
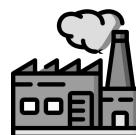
APPLICATIONS

Bungalows

Schools & Colleges

Factories & Warehouses

Hotels & Resorts

FEATURES & BENEFITS

Anti-climb panel that provides assured security

Modular component design for on-site assembly and installation without painting or welding.

Choice of Colour - mix and match panels and posts for innovative patterns.

UNICO finish - Bright and vibrant UV resistant colours, provide long life, resistant to fading, corrosion resistance, elimination of re-painting, freedom from peeling.
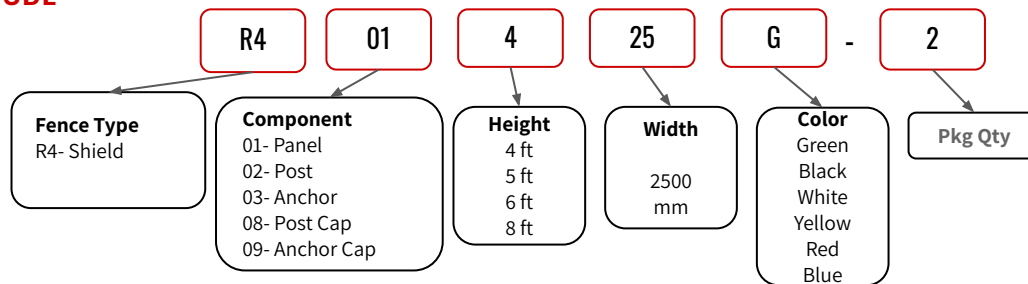
Mass-produced in a factory on automated machines - Uniform and long-lasting welds, dimensional fidelity for field assembly.
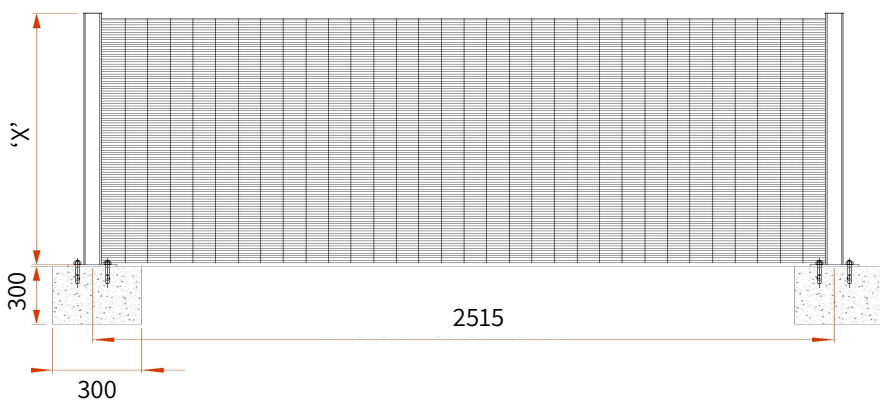
COLOR PALETTE

Our Proprietary **UNICO** powder coating process adds vibrant colors to the fence while to protecting against the elements. There is a varied color palette to choose from. Modular system enables mix and match of colors.

COLOR CODE	X	RAL CODE	COLOR REPRESENTATION
White	W	9010	
Grey	Y	7016	
Red	R	3020	
Yellow	L	1021	
Blue	U	5015	
Green STD	G	6005	

PART CODE

R4	01	4	25	G	-	2

Fence Type
R4- Shield

Component
01- Panel
02- Post
03- Anchor
08- Post Cap
09- Anchor Cap

Height
4 ft
5 ft
6 ft
8 ft

Width
2500 mm

Color
Green
Black
White
Yellow
Red
Blue

Pkg Qty
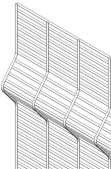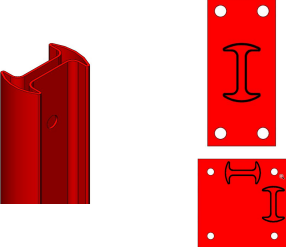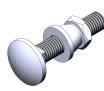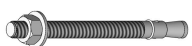
SYSTEM DIMENSIONS

	Mini	Regular	Maxi	Tall
'X'	1300 mm	1600 mm	1900 mm	2500 mm

300
2515
300

All dimensions are in mm

UNICOShield COMPONENTS

Part name		Part no	Description
Shield Panel		R401425G-1 R401425G-2 R401525G-1 R401525G-2 R401625G-1 R401825G-1	Shield panel is characterized by its denser mesh aperture. It forms a strong anti-climb barrier against intrusion.
Pro Universal & Corner Post		R202450G-2 R202550G-2 R202650G-2 R202850G-2 R202414G-1 R202514G-1 R202614G-1 R202814G-1	Anchors the fencing to the base foundation, and holds the panels in place. Innovative H Shaped profile design adds robustness to the fence and also enables to connect security add ons.
Pro Post Cap		R908120G-100 R908120B-100	Top cover to the post to prevent ingress of water and dust
4-Way Spider Clamp		R907120G-250 R907120G-100	These clamps are used to connect the panel to the post and hold the panel in position on post.
Mushroom Head bolt & Security Nut-M8x50		R950111Z-500 R950111Z-100	Mushroom head bolt and Security nuts are used to fix the spoon clamp to the post. The Security nut is a tamper proof fixing as normal tools cannot open it once fixed.
Anchors		R903110Z-150	Galvanised fasteners designed to hold the fence in place and anchor the fence to the ground.
Anchor Caps		R909110G-200 R909110B-200	Caps to protect the anchors from dust and rainwater.

DIMENSIONS

Parameter	Mini	Regular	Maxi	Tall
Mesh Aperture	76.2 x 12.7			
Panel Height	1264	1560	1842	2452
Panel Width	2500			
Post C-C	2515			
Post Length	1300	1600	1900	2500
Post Type	**UNICO**Pro			
Anchors	M12 x 150			

ADD ONs

Concertina Coil

Barbed Wire

All dimensions are in mm

UNICOShield SPECIFICATIONS

Raw Materials:

Panel:
Galvanised MS Wire: Over 40 GSM
Tensile Strength: 55 - 75 kg/mm²

Post:
Pre-Galvanised MS 120 GSM

Base-Plate:
Hot-Dip Galvanised MS

Post Cap:
PVC

Anchors:
GI

Anchor Caps:
PVC

Colour Coating:

Process- Pure Polyester Coating (PPC)

Thickness- Over 65 microns

Test- 1000 hrs Salt Spray Tested

Traceability:

Tracing with unique tracing number

Quick response to customer query

Easy Warranty claims

Welding Specification:

Welding Process- Electrical resistance welding

Weld Strength- The average weld shear strength of 4 welds taken at random shall not be less than 50 % of the breaking strength of vertical wire

Quality Specifications:

Sample Testing per IS 2500

Mesh Aperture- $\pm$ 2 mm Tolerance

WARRANTY STATEMENT

We assure our customers that all **UNICO** products shall be manufactured conforming to the prevailing Quality specifications and standards. **UNICO**Shield standard fence components set in normal fencing conditions are warrantied for a period of two years. Please visit us at a-1fence.in/warranty or detailed information on warranties.

RELATED SOLUTIONS

Swing Gates	Sliding Gates	UNICOAura	UNICOPrima	UNICOPro	UNICOCrown
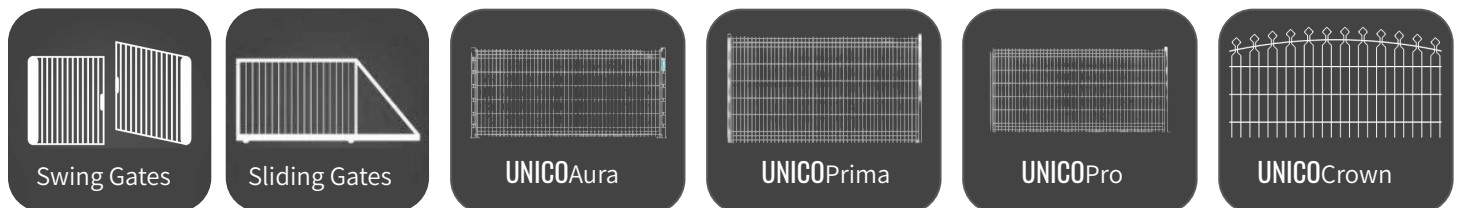
ABOUT A-1

A-1 Fence is an industry leader in providing perimeter security solutions. We are passionate about design and this finds expression in all our products and solutions. Our products are backed by prompt deliveries through a network of solution partners. See **a-1fence.in** for details.

Improved Habitats By Design

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Authorised Solutioning Partner