FirstFence

ROTATING ANTI-CLIMB SYSTEM

SUITABLE APPLICATIONS

EASY INSTALL

COMMERCIAL

Commercial perimeter security rotating anti-climb fence spikes for commercial, industrial, utility, transport, prisons and academic or any location susceptible to trespass, vandalism or theft.

AIRPORTS

While security checkpoints inside an airport terminal are extensive, a breach of airport perimeter security risks aviation assets and trespass onto the runway.

EDUCATION

Educational premises are notoriously susceptible to vandalism and theft, particularly as they remain unoccupied for sustained periods of time.

INDUSTRIAL

Some industrial premises can be susceptible to vandalism and theft and in particular, those that stock high value items and are unoccupied at weekends.

PRISONS

Prisons harden the perimeter to keep people from breaching its security with history showing that prisons are only ever as secure as their perimeter.

RAIL

Trespass within the railway environment can result in serious risk to life and obstacles or damaged track could derail a train with catastrophic consequences.

UTILITY

Utility companies restrict access to substations, switchyards and pylons due to the dangers present which can include life threatening injuries.

DOMESTIC

Annually, domestic burglaries cost the nation £2.9bn. TruGuard is classed as a non-injurious solution to perimeter security unlike barbed wire, razor tape or broken glass.

PERIMETER FENCING & WALLS

TruGuard is approved for use at a height of 1.8m, in-line with domestic fencing and walls, as opposed to 2.4m required for barbed wire and Razor wire.

SECURITY GATES

Being lightweight, TruGuard can be mounted to security gates without affecting opening, closing or automation and can be supplied in colours.

Tel: 01283 512 111 **Email: sales@firstfence.co.uk**

MADE IN BRITAIN

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TECHNICAL SPECIFICATION

EASY INSTALL • EASY INSTALL • EASY INSTALL •

GENERIC PHYSICAL PROPERTIES

Property	Value
BS EN 573-3.2009 ALLOY 6082	
Density	2.70 g/cm^3
Melting Point	555 °C
Thermal Expansion	24 x10^{-6}/K
Modulus of Elasticity	70 GPa
Thermal Conductivity	180 W/m.K
Electrical Resistivity	0.038 x10^{-6} Ω .m

CHEMICAL COMPOSITION

Element	% Present
Silicon (Si)	0.70 - 1.30
Magnesium (Mg)	0.60 - 1.20
Manganese (Mn)	0.40 - 1.00
Iron (Fe)	0.0 - 0.50
Chromium (Cr)	0.0 - 0.25
Zinc (Zn)	0.0 - 0.20
Others (Total)	0.0 - 0.15
Titanium (Ti)	0.0 - 0.10
Copper (Cu)	0.0 - 0.10
Other (Each)	0.0 - 0.05
Aluminium (Al)	Balance

GENERIC PHYSICAL PROPERTIES - 6082 T4

Property	Value
BS EN 573-3.2009	
Proof Stress	110 Min MPa
Tensile Strength	205 Min MPa
Elongation A50mm	12 Min %
Hardness Brinell	70 HB
Elongation A	14 Min %

WELDABILITY

Property	Value
BS EN 755-2.2008	
Weldability - Gas	Good
Weldability - Arc	Good
Weldability - Resistance	Good
Brazability	Good
Solderability	Good

GENERIC PHYSICAL PROPERTIES - 6082 T6

Property	Value
BS EN 775-2.2008	
Proof Stress	250 Min MPa
Tensile Strength	295 Min MPa
Elongation A50mm	A50 mm 6 Min %
Hardness Brinell	95 HB
Elongation A	8 Min %

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