

# SolarGard<sup>®</sup> Orbit

## DEER FENCING ALTERNATIVE FOR SOLAR FARMS

The SolarGard Orbit mesh fence system provides a perimeter security fence that is aesthetically pleasing with high through-visibility, helping it to blend into its surroundings.

SolarGard Orbit provides a cost-effective boundary fencing system with an anti-climb deterrent. Adjoining panels are held together with metal clips that are then pinned into posts using pre-drilled holes. It minimises visual impact on the landscape while still delivering a considerably stronger and more durable solution than traditional deer fencing.

### APPLICATIONS:

We recommend SolarGard Orbit as a demarcation fence for areas of a site where security is not critical. It provides a clear, defined boundary with an anti-climb deterrent, and carries a 40-year guarantee.



 **MADE IN BRITAIN**



  
Member



Other RAL colours available as special order



Nominal Fence Height (m)	Panel Size Height x Width (mm)	Post Centres (mm)	No. 'V-Bars' Per Panel	Overall Length of Post (mm)	Post Size (mm)	Number of Fixings	
						Per Post	Per Corner
1.2	1,230 x 3,005	3,030	2	1,800	60x60	3	6
1.8	1,730 x 3,005	3,030	3	2,400	60x60	4	8
2.0	1,930 x 3,005	3,030	3	2,600	60x60	4	8
2.4	2,330 x 3,005	3,030	3	3,100	60x60	5	10
3.0	2,930 x 2,455	2,480	4	3,750	60x60	6	12

DATA SUBJECT TO CHANGE



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## Product Technical Information

- Panels:**
- Mesh size 200 x 50mm - 5mm horizontal wire / 4mm vertical wire (conforms to BS 1722-14:2017).
  - Triangular Folds: 2, 3 or 4 per panel (height dependant).
  - Panels can be inverted to create flat top option.
  - Manufactured to BS 4102 and galvanised to BS EN 10244-2:2001 class D.
  - Weld strength is 75% of the minimum tensile strength of the wire (tensile range 540-690 N/m<sup>2</sup>).

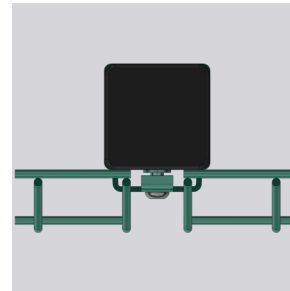
- Posts:**
- Dig-in posts. Post size: 60 x 60mm SHS.
  - Post material manufactured to BS EN 10210-2:1997 and galvanised to BS EN 10346:2009.
  - Supplied with 60 x 60mm plastic cap.
  - Post features extra holes for stepping.

- Fixings:**
- Durable metal clips.
  - M8 x 30 stainless steel security screw.
  - M8 shear nut with M8 washer.

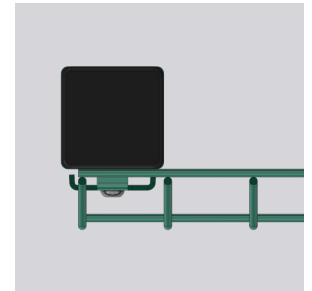
- Finish:**
- Panels & Posts are galvanised before being powder coated to BS EN 13438:2005 (min 100 micron).
  - Standard colours are RAL 6005 (Moss Green) and RAL 9005 (Black).
  - Other RAL colours available as special order, including marine grade coating.

- Post Options:**
- Cranked posts (internal and external / top and bottom).
  - Face fix (for flush against walls).
  - Base-plated (flush to front, back or centrally) available as special order for installation onto concrete and other hard surfaces.

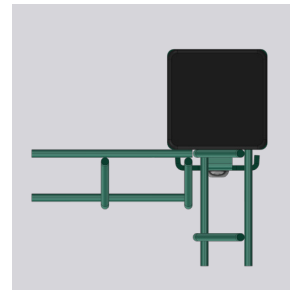
Intermediate post



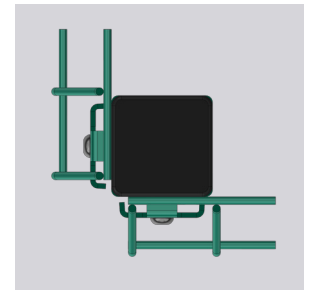
End post



Internal corner post



External corner post



## POSTS & FIXINGS



The post and clip system offers a reliable fixing solution that secures panels firmly while allowing for flexibility. Simple to install, each post features additional insert holes that enable the panels to be stepped or angled, following the natural contours of the ground. Combined with vandal-resistant security fixings, this system provides a solid level of security for any boundary.



We are able to offer a 40-year guarantee, covering the performance and appearance of our mesh fencing systems. Giving you added confidence when specifying an Alexandra product.

While care has been taken to ensure that all information provided on this data sheet is accurate, Alexandra Security reserves the right to change product specifications at any time. E&OE.