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SERVING THE TRADE SINCE 1889



TouchSafe GRP Palisade Fencing

OVERVIEW OF PRODUCT:



Made to offer a stronger, safer non-conductive fence to customers working in any sector that needs a robust barrier to screen electrical hazards

The only GRP Palisade to be made with ZERO metal parts

All fixings are comprised of GRP

Earthing is therefore not required

Adhesively bonded throughout to create a single, structured panel.

Delivered in full panels, reducing installation time

Developed to provide a greater resistance to vandals than other GRP systems

Pales pass through rails to reduce risk of prising apart

Stiff Resin Class achieved using non-crimp, multi axial glass fibre fabrics in the reinforcement geometry of the profiles.

Thick Profiles – 4mm pales, 6mm rails and square posts

Lightweight in comparison to steel alternatives



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Dimensions



**Range of heights 1.8m,
2.4m & 3.0m**

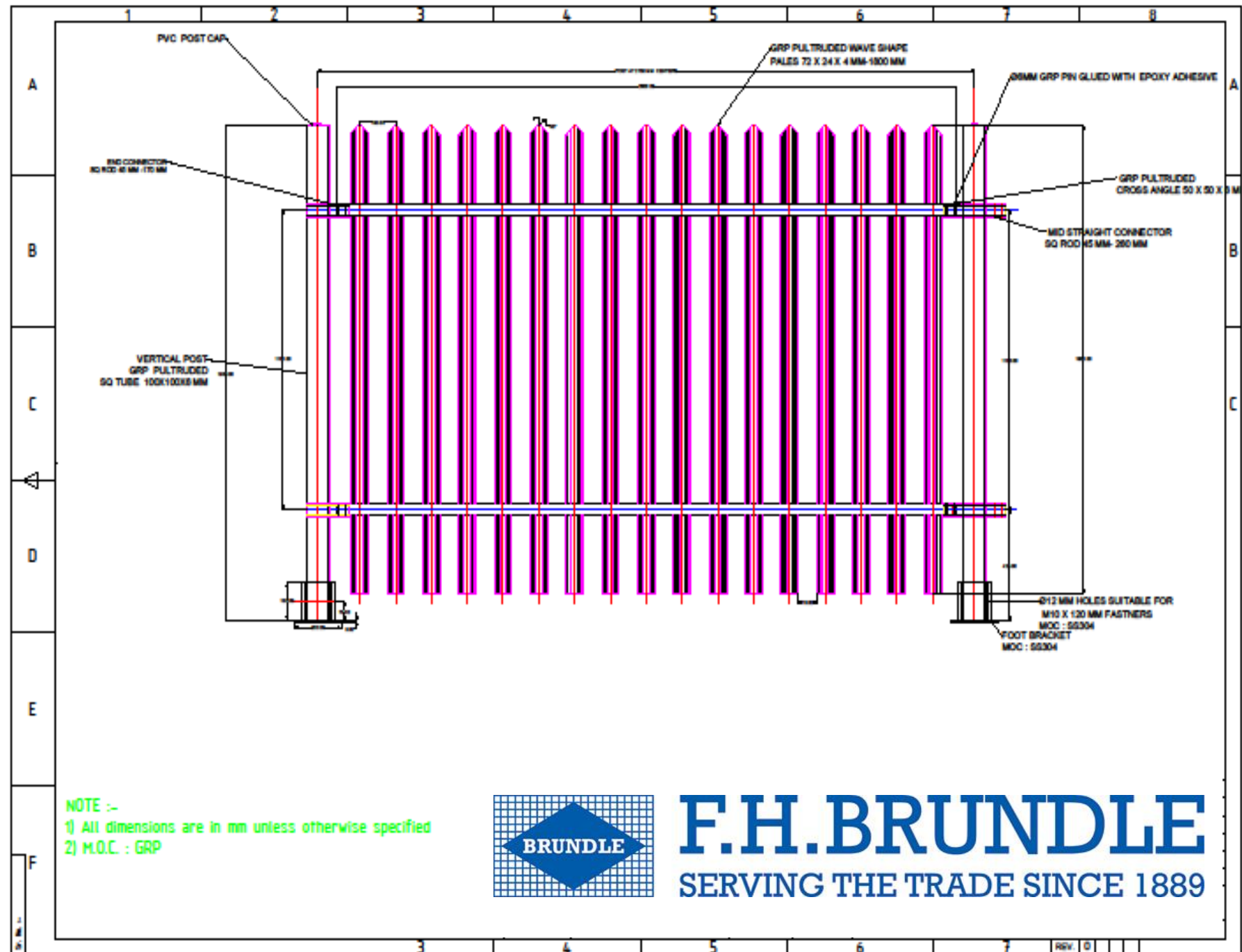
**Gates available in these
heights**

**GRP self close hinges
supplied**

**Posts for embedding in
concrete surround and
for surfacing mounting
available**

**Stainless Steel foot
brackets for surface
mounting**

**Hole pre drilled in
embedded posts to
allow concrete to
penetrate**



WEIGHTS & DIMENSIONS:



Reduced weight in comparison to steel.

The panels come fully assembled and are light enough for two operatives to move on site

Created to be in accordance dimensionally with BS 1722, Part 12

2.4m High panels come with a third rail near the base as standard to increase strength

Grey as standard with Green as an option



<i>Touch Safe Panel</i>	<i>1.8 mtr H X 2.7 mtr W</i>	<i>Wave</i>	38kg
<i>Touch Safe Panel</i>	<i>2.4mtr H X 2.7 mtr W</i>	<i>Wave</i>	46kg
<i>Touch Safe Panel</i>	<i>3.0 mtr H X 2.7 mtr W</i>	<i>Wave</i>	56kg
<i>Touch Safe Gate</i>	<i>1.8 mtr H X 1 mtr W</i>	<i>Wave</i>	24.5kg
<i>Touch Safe Gate</i>	<i>2.4mtr H X 1 mtr W</i>	<i>Wave</i>	31.5kg
<i>Touch Safe Gate</i>	<i>3.0 mtr H X 1 mtr W</i>	<i>Wave</i>	37.5kg
<i>Vertical post</i>	<i>100x100x6 mm tube x 2.7 mtr</i>	<i>Embedded</i>	12.1kg
<i>Vertical post</i>	<i>100x100x6 mm tube x 3.6 mtr</i>	<i>Embedded</i>	16.2kg
<i>Vertical post</i>	<i>100x100x6 mm tube x 4.5 mtr</i>	<i>Embedded</i>	20.16kg
<i>Vertical post</i>	<i>100x100x8 mm tube x 1.9 mtr</i>	<i>Surface Mounted</i>	11.35kg
<i>Vertical post</i>	<i>100x100x8 mm tube x 2.5 mtr</i>	<i>Surface Mounted</i>	14.95kg
<i>Vertical post</i>	<i>100x100x8 mm tube x 3.1 mtr</i>	<i>Surface Mounted</i>	18.51kg



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DURABILITY:



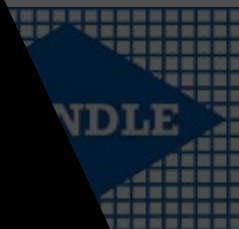
The composition we use is corrosion resistant against most oils, acids and alkaline chemicals.

Perfect for use in areas with marine / coastal exposure as the saline conditions cause problems to steel but have no effect on TouchSafe GRP Palisade.

The posts are made from a Vinyl Ester as some of the posts will be embedded in concrete, which because of it's alkalinity, is a corrosive environment for Isophthalic Polyester which other systems use for their posts

TouchSafe is the only GRP Palisade produced with UV inhibitors within the resin and finished with a UV resistant synthetic Polyester veil that encapsulates the profiles to add further protection to the elements.

Ensures that UV exposure does not impact upon the mechanical performance of the product.



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FIRE & EARTHING



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The pales and crossmembers are made from fire retardant Isophthalic Polyester.

They are V0 to UL 94 & less than 25 to ASTM E84

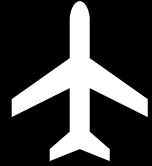
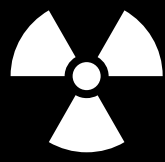
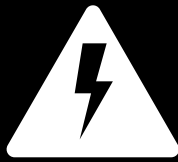
The posts are composed of fire retardant Vinyl Ester, ensuring the same levels of fire performance are met

There are no metal elements within the TouchSafe system. We have taken this step to create a risk free barrier to remove any associated problems with touch or step potential around electrical installations

Earthing and bonding are not required for TouchSafe. We remove the associated costs of the initial installation of these bonds and ongoing maintenance thereof

Accidents on site can occur where the bonds may be damaged, corrode, not be installed correctly or not be effective enough at all to prevent an operative / member of the public from receiving a shock. Why take the risk?





APPLICATIONS:

RAIL:

Surrounding electrical equipment such as LOC suites, substations, OLE masts, Gapping of steel fencing or on platforms

AVIATION:

GRP is radar neutral so the EMI/RFI invisibility of composite materials mean they are perfect for Airport usage

POWER SUPPLY COMPANIES:

Ideal for screening off substations and compounds, booster stations and pylons

ENERGY / GAS

GRP is highly resistant to chemical corrosion and can be used in most industrial applications, giving a long lifespan with no chance of rust



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Example



Easy to install – No difficult / time consuming fixings

Robust square tube fixings

Faster to install than steel alternative

Can be cut by operatives to fit around on site obstructions not recorded by surveys

Impressive strength characteristics

Completely non-conductive



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