

NAC FLEX

Natural Alternative Composite

Technical Information

Bollards/Fence Posts

Material size: 90mmx90mm

Moment

8.36 KNM

Stress

90.3 MPa

Modulus

16788 MPa

Shear Stress

9.3 MPa

Yield Strength @ 1500 centres simply supported

2250 Kgs

Materials

Inner Core

Laminated certified plantation

First Coating

Modified Polyester Resin and Binding agent

Second Coating

Modified Polyester Resins sealing coat.

Third Coating

Matrix of stitch bonded fibreglass

Fourth Coating

Matrix of Polyester Resin impact fibreglass mesh.

Fifth Coating

Modified Vinyl Ester Resin water membrane.

Final Coating

NPG ISO Gel coat with organic colour pigments and UV inhibitors

Properties

Fire resistant

Sustain small bush fires

Salt and chemical Resistant

Resist most chemicals.

Food Safe

All materials are food safe standard.

No leaching to the environment

No leaching of any harmful chemicals

Temperature resistant

Maintain full strength up to 78 degrees Celsius

Recyclable

Materials can be recycled

Repairable

Damage repair onsite/ recoated painted if required.

Insect Resistant

Resists insect infestation.

Electrical Resistance

High electrical resistance 1000V per 25mm