

# balucrete

## BALUSTRADING



*Moulding the Future*

### PUBLIC AREAS PALISADE 1.5 kN/m

#### LOW MAINTENANCE MODULAR BALUSTRADE SYSTEM

As a market leader in the field of polymer concrete, **resocrete** was instrumental in the design and development of the first PolyCrete (polymer concrete) balustrading in accordance with National Roads specifications, and this design has since been adopted as the standard for all bridge balustrading in this medium.

Components are bonded together using specially formulated High Strength Epoxies resulting in a product which will not crack or corrode

Similarly, and designed specifically for pedestrian applications with no vehicular traffic, Handrail sections of the Public Areas Palisade system are fabricated with 2 High Tensile Glass Fibre Reinforcings inside the matrix running the full length of the section. The posts are fabricated with a 10mm pultruded fiberglass reinforcing bar running the full length of the post.

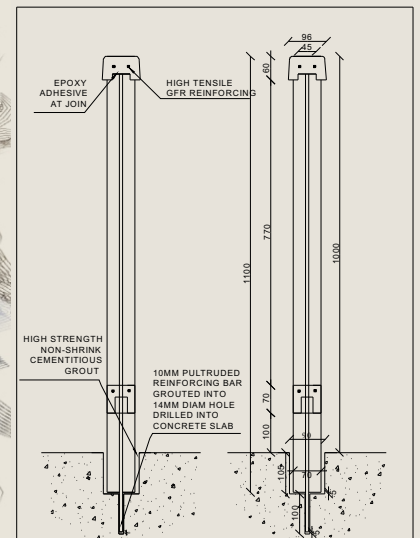
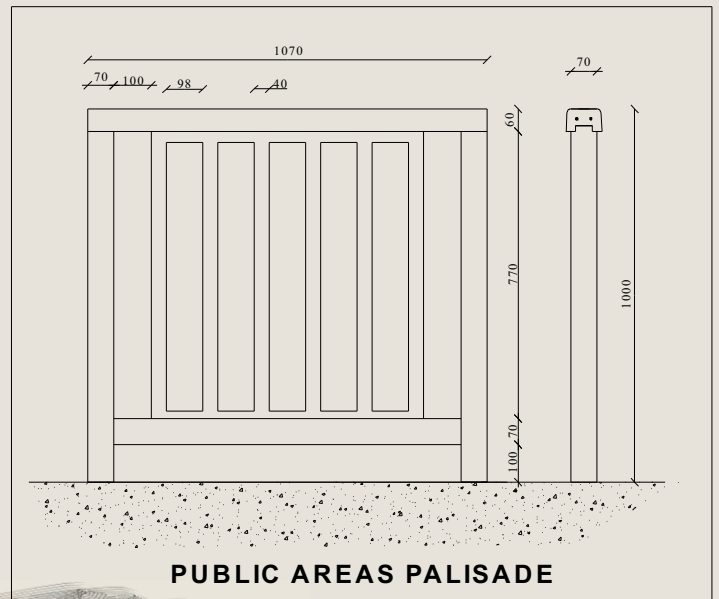
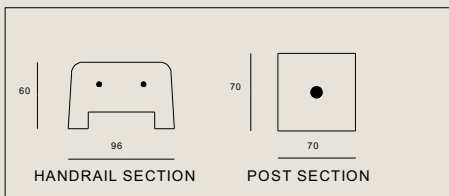
Installation of the posts can be achieved by one of 2 methods, ie:

- The existing slab is cored and a hole is drilled in the bottom of the cored hole. The post (with the reinforced bar protruding out the bottom of the post) is then fixed by means of epoxy in the drilled hole and non-shrink grout in the cored hole.
- Where a pocket or groove is left in the concrete, the post is inserted into the pocket and the pocket then filled with non-shrink quick-set concrete to hold the post in place.

#### **Polycrete**

##### **Technical Specifications**

- resin bonded POLYCRETE formulation
- 43 Mpa flexural strength
- 110 Mpa compressive strength
- Impervious to water
- Outstanding UV resistance
- High shock absorbency
- Maintenance free



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