

balucrete

BALUSTRADING



Moulding the Future

NATIONAL ROADS 4.5 kN/m HANDRAIL REBAR LOCATOR SYSTEM

LOW MAINTENANCE MODULAR BALUSTRADE SYSTEM

Our **balucrete** range consists of a spectrum of modular products, which, through unique design and assembly innovations, results in quick installation, reducing erection time on site, and minimizing disruption to the work place. Made from our MOD 42 formulation, with its superior structural and aesthetic characteristics, and outstanding fire rating, these systems result in low maintenance products, with all the beauty and deco-enhancing characteristic unique to the **resocrete** range of products.

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 **resocrete 1 : 1** High Strength Epoxies resulting in a product which will not crack or corrode.

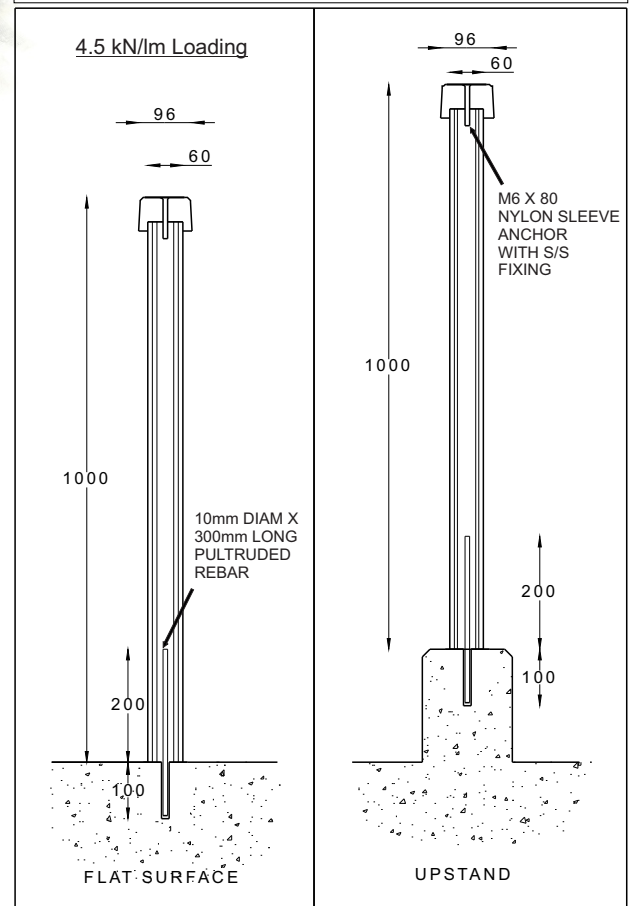
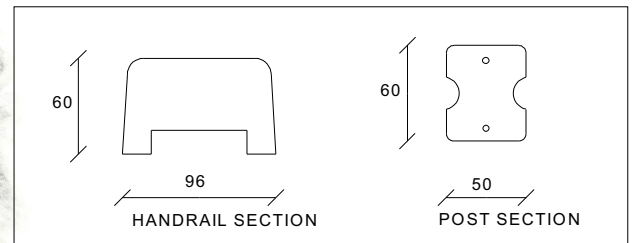
Designed specifically for applications with pedestrian and vehicular traffic, the handrail sections are fabricated solid cast with a locator groove cast into the underside. The posts are fabricated with two reinforcing matrices running the full length of the post and a 10mm diam pultruded composite re-bar cast 200mm into the bottom of the post, and protruding 100mm out of the end.

Using our proven **resocrete 1 : 1** epoxy, installation is carried out by drilling 12mm diameter locator holes 105mm into the concrete surface, applying epoxy to the re-bar protruding out of the bottom of the posts, and fitting the posts into place into the holes in the concrete surface, the bottom of the posts are also buttered with epoxy to give a firm base anchor.

M6 nylon sleeve anchors fitted with stainless steel fixings assist in attaching the handrail to the posts with one fixing every second post. The top of these fixings are also countersunk and the holes covered with epoxy to prevent removal of the handrail.

Technical Specifications

- Resin bonded POLYCRETE formulation
- Tested to 6.08 kN/m Loading
- 43 MPa flexural strength
- 110 MPa compressive strength
- Impervious to water
- Outstanding UV resistance
- High shock absorbency
- Maintenance free
- Quick installation - 30 lm per day



Visit our web-site at www.resocrete.co.za