

decocrete

STREET FURNITURE



MANHOLE PREFORM 400 RING / COVER / PREFORM CHAMBER

SPECIALIZED POLYMER CONCRETE STREET FURNITURE

resocrete products are fabricated from a range of specialized composites made from chemically bonded, mineral filled, polymeric materials which once moulded, produce a product which is both durable and versatile, and can be cast into almost endless shapes and forms to meet the most diverse of design needs.

Falling into the generic classification of a Polymer Concrete, each composite is specifically formulated to meet the unique and exacting standards and requirements of that particular product, be it structural strength, abrasive resistance, aesthetic value or any one of the many other differing factors which makes that **resocrete** product a market leader in its field.

decocrete products are aimed at satisfying the demand for a highly durable Street Furniture Product which could achieve a fine level of detail in the casting process, allowing one to personalize the product through the inclusion of specialized trade marks, motifs or logos. Because of the nature of the product, this also allows the customer the option to choose a variety of shapes and surface textures.

Faced with ever increasing incidents of theft of steel manhole covers, and the danger this poses to our motorists and motorways, the **decocrete** manhole rings and covers have no scrap value, greatly reducing the incidents of theft, and are incredibly durable and meet all industry requirements of load bearing and impact resistance.

Composition

Made from primarily waste products, recycled materials, by-product materials and natural stone, and with a zero moisture absorbency, **decocrete** products attain 98% green-build properties whilst retaining superior compressive strength, flexural strength, sound attenuation properties, and outstanding thermal blanketing.

Innovation

An exciting new addition to the range of accessories for the **Modubond LamPlus** Polymer Composite Panel is the new **StructaBond** compound.

This compound is used in the manufacture of the Preform Chamber and withstands shear forces of up to 3000kg per linear meter and compressive forces of 1,020 kilograms-force (kgf) per 70mm².

Added security is achieved with the use of the unique tamper-proof locking system.

Technical Specification And Advantages Of Polymer Concrete Manhole Rings And Covers

FEATURES:

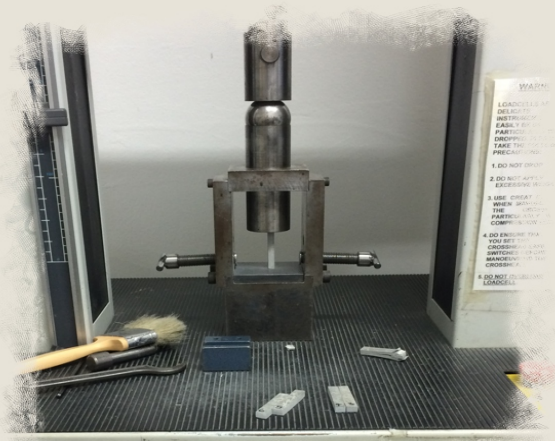
- More than fifteen times the flexural strength of Vibrated Cement Concrete
- High resistance to acids, alkalis and other corrosive substances
- Resistant to biological attack
- 0% water absorption
- High acoustic and flexibility absorption properties
- Superior thermal properties and stability
- Outstanding weathering and UV resistance
- Rated for steel wheel traffic in terms of C&I Abrasion Testing carried out



MANHOLE PREFORM 400 SHOWING LID WITH UNIQUE TAMPER-PROOF LOCKING SYSTEM

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

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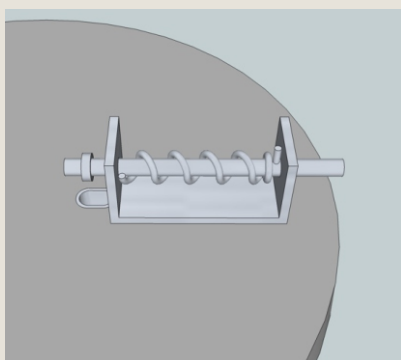


StructaBond Compound Test

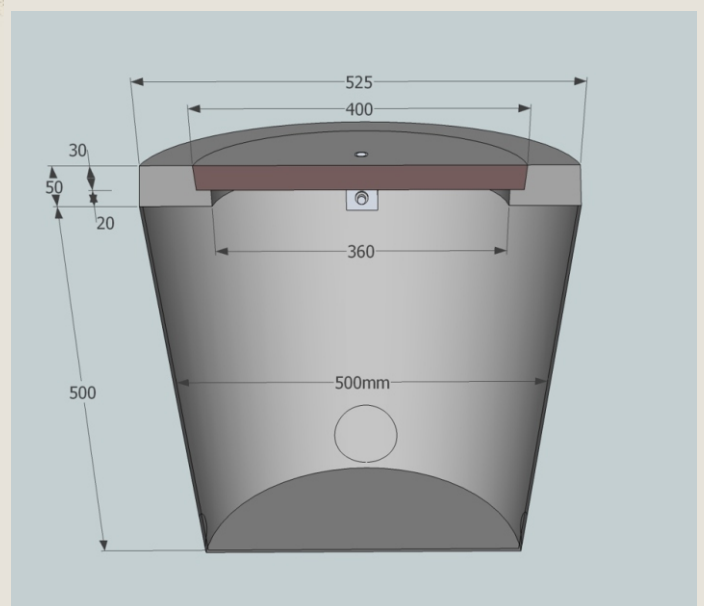
- Test Compressive Load Test
- Product **Structabond** Compound
- Sample Size 10.19mm x 6.94mm x 50mm
- Load Applied 1021 kilograms-force (kgf)
- Results Sample failed at above load

PROPERTIES AND SPECIFICATIONS

PRODUCT NAME	- MANHOLE PREFORM 400
APPLICATION	- SERVICES / CABLING
CLASS	- MEDIUM DUTY
LID DIAMETER	- 400mm
LID FLANGE DEPTH	- 30mm
LID WEIGHT	- 7.5 KG
RING OUTER DIAM	- 525mm DIAM
RING FLANGE DEPTH	- 50mm
RING WEIGHT	- 9.5 KG
CHAMBER INNER DIAM	- 500mm DIAM
CHAMBER DEPTH	- 500mm
CHAMBER WEIGHT	- 3 KG
COLOUR	- TO CUSTOMERS SPEC
LID DETAILING	- TO CUSTOMER SPEC
PUNCH-OUTS	- 2 X 50mm & 2 X 100mm



**UNIQUE TAMPER-PROOF
MANHOLE LID
LOCKING SYSTEM**



SECTION THROUGH MANHOLE PREFORM 400