



## Greenbank Teropipe - Slurry piping system

### The Inside Story

The internal section of the TEROPIPE system comprises 20mm thick centrifugally cast basalt cylinders. Cast Basalt has been used as a lining for many years in applications where pipes, chutes, hoppers, flumes etc. are subject to heavy abrasion and corrosion by the nature of the product being handled.

Typical uses arise in power generation, mineral and chemical processing, aggregates, cement, glass, coal, iron ore, and other high volume industries. For example, it is common today in the majority of power station Furnace Bottom Ash disposal lines (coal-fired plants) have been fitted with Cast Basalt lined steel pipes, from which a life of 15 to 20 times that of unlined mild steel is usually obtained.

**JOINTS** - Pipes are supplied either plain ended to suit Viking Johnson, Teekay Axilock or similar joints to suit the application.

**SUPPORTS** - Supports are recommended at 3.65m (12ft) centres on horizontal runs and 2.75m (9ft) on vertical runs.

**LINING**-TEROPIPE can be manufactured with alternative linings e.g. Zalcon 2000 or Alumina ceramic, to suit special conditions.

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## Greenbank Terotech - Heavy Industrial Division

"Engineering added value in the application, design, management and manufacturing of physical assets in pursuit of economical lifecycle costs"



### Greenbank Teropipe - Slurry piping system

- MAXIMUM ABRASION RESISTANCE
- MAXIMUM CORROSION RESISTANCE
- MAINTENANCE FREE
- LIGHTER IN WEIGHT THAN STEEL CASED PIPES

#### The Outside Story

The external section of our TEROPIPE system comprises of filament wound gaze fiber roving's and specially formulated phenolic resins.

This type of fiberglass construction is recognised as the strongest available. It is generally accepted that properly engineered and used such material is superior to steel as regards strength/weight ratio and resistance to environmental attack. The G.R.P. outer casing is bonded directly onto the cast basalt liner pipe giving a truly composite pipe.

Traditional steel cased cast basalt pipes often require the additional cost of coating treatments to prevent deterioration of the steel shell. This requirement is not necessary with TEROPIPE which will withstand arduous environmental and chemical conditions.

The TEROPIPE casing is U.V. stable anti-static and fire resistant, being particularly resistant to seawater and coastal environments.

