PRODUCT DATA SHEET

Perma Vent™ for Sewerage Systems

BENEFITS & FEATURES

- SELF SUPPORTING
- ENVIRONMENTALLY AESTHETIC
- CHEMICALLY AND STRUCTURALLY ENGINEERED
- RESISTANT TO CORROSION
- VIRTUALLY MAINTENANCE FREE

WSAA APPROVED RANGE OF CHEMICALLY AND STRUCTURALLY ENGINEERED GRP VENT SHAFTS PERMA VENT™ ARE VIRTUALLY MAINTENANCE FREE.

RPC's Glass Reinforced Plastic (GRP) Vent Shafts - **Perma Vent™** are chemically and structurally engineered with the optimal balance of resin and glass fibre for resistance to a wide range of acids, alkalis, solvents and corrosive fumes.

In addition to their resistance to corrosion, pitting and scaling, **Perma Vent™** is immune to virtually all bacteriological corrosion, will not rust and does not require any form of cathodic protection. A surface coating applied during manufacture ensures a long life, even in Australia's most demanding climatic conditions. Once installed **Perma Vent™** is virtually maintenance free.

Applications

Designed and manufactured primarily for the water and wastewater industry **Perma Vent™** has a wide range of applications;

- Sewage reticulation systems
- Sewage pumping stations
- Sewage treatment plants
- Potable water supply systems
- Industrial, petrochemical and food processing industries
- **Perma Vent™** can be used on greenfield projects and in retrofit situations, replacing damaged/or corroded metal shafts

Perma Vent™ for Sewerage Systems

Design Features

- Self supporting or guyed
- Environmentally aesthetic

Advantages

- Excellent corrosion resistance
- Smooth interior surface
- Rated 50 years durability
- Lifestyle colours (any colour)
- No maintenance

Compliance

- WSAA Approved (PA 0906.2) Materials of construction.

Materials of Construction

Perma Vent™ is manufactured using a combination of filament-wound and hand lay-up processes from premium quality isophthalic or epoxy vinyl ester resins and 'E' glass reinforcement materials.

Installation

Simple, quick and economical to install.

STANDARDS

AS 2634-1983 Chemical Plant Equipment made from Glass Fibre Reinforced Plastic (GRP) based on Thermosetting Resins
AS 3571-1989 Glass Filament Reinforced Thermosetting Plastics (GRP) Pipes - Polyester Based Water Supply, Sewage and Drainage Applications.
BS 4994-1987 Design and Construction of Vessels and Tanks in Reinforced Plastics (obsolescent).
BS EN 13121-3:2008+A1:2010 tanks and vessels for use above ground. Design and workmanship.

RPC Innovation

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