



PRODUCT DATA SHEET

PermaGRE™ Piping Systems

DESIGN BENEFITS

- LINE PIPING UP TO 3,600 PSI (25 MPa) CONTINUE OPERATING PRESSURE
- UP TO 93°C CONTINUED OPERATING TEMPERATURES
- DEEP HOLE CAPABILITY TO 1,500 METRES WITH OPERATING PRESSURE RATING OF 21 MPa
- NO CATHODIC PROTECTION REQUIRED



THE ONLY AUSTRALIAN COMPANY THAT OFFERS VALUE ADDED ENGINEERED SOLUTIONS FOR FIBREGLASS PIPE SYSTEMS.

As an exclusive distributor of the **PermaGRE™** product range of glass reinforced epoxy resin high pressure pipes and fittings, RPC now has the capability to serve the rapidly growing mining, oil, gas, infrastructure, resources and energy markets with end to end solutions including design, engineering, supply, manufacture, prefabrication, testing, training and site installation. **PermaGRE™** is manufactured to ISO 9001, ISO 14001 and ISO 18001 standards.

Materials of Construction

PermaGRE™ high pressure pipe is a non-corrosive product through the continuous winding of fibreglass filament that is saturated in a proprietary formula of epoxy resin and curing agents, utilising specialised winding and heat curing techniques.

Epoxy resin has a particular molecular chain structure that provides a superior chemical bonding and curing system. Utilising fiberglass as an integrated element these molecular features work together to form a 3D network of greater structural integrity in material strength, smoothness, corrosive resistance, porosity and capillary resistance, thermal and anti-conductive features.

RPC is an international company with Head Office located in Sydney (NSW), manufacturing facilities in Adelaide (SA), Corio (VIC), Sydney (NSW), Newcastle (NSW) and Batam Island (Indonesia) and sales offices globally.

Proven Performance

- Excellent durability and corrosion resistance
- High standards of performance
- Design service life from 25 -100 years
- Superior flow characteristics
- Reduced installation costs
- Low maintenance

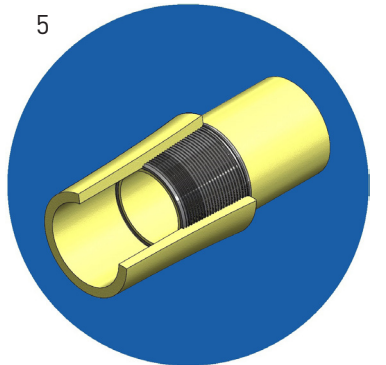
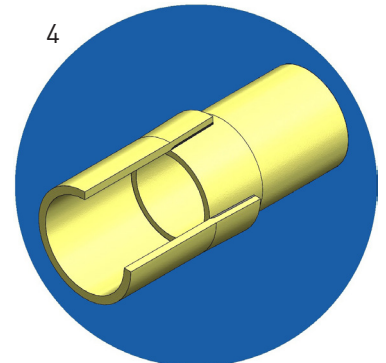
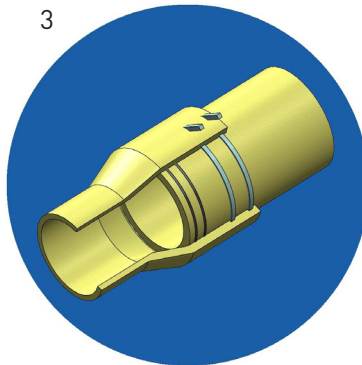
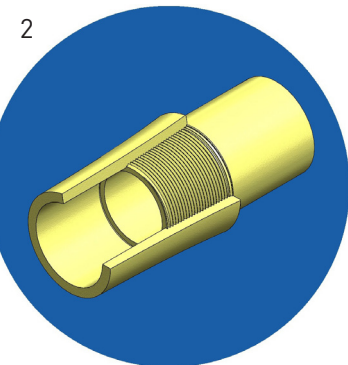
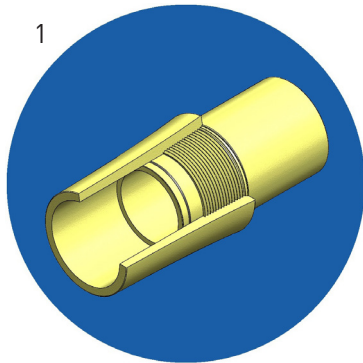


Creating in **composites**

PermaGRE™ Piping Systems

The PermaGRE™ brand of products includes:

1 PermaGRE™ Seal	DN200mm to DN300mm with pressure rating upto 8.5 MPa
2 PermaGRE™ Thread	DN40mm to DN300mm with pressure rating upto 25 MPa
3 PermaGRE™ Lock	DN200mm and above with pressure rating upto 5 MPa
4 PermaGRE™ Bond	DN40mm and above with pressure rating upto 5 MPa
5 PermaGRE™ Casing and Tubing	DN40mm to DN250mm with pressure rating upto 21 MPa



RPC provides a comprehensive range of fittings and fixtures (T's, elbows, reducers etc) and a range of flanges for connection to existing systems. Custom fittings, fixtures and flanges can be developed specifically for our client's requirements.



RPC is the exclusive distributor of Hanwei Energy Services Corp. GRE products and technologies in Australia/New Zealand and South East Asian countries.



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