

## ArmorBEND™ Ceramic Reinforced Bends and Elbows

Highly reinforced with a tough energy absorbing, repairable, monolithic ArmorPIPE™ ceramic composite system, this unique design provides a lining thickness biased to high wear zones.

**Could your plant benefit from a bend design with increased protection in areas of high turbulence, impingement and abrasive stress?**

**Do your existing bends have a repairable lining? Do your linings crack and delaminate?**

Bends by their nature experience higher levels of abrasion at the point of impingement and ArmorBEND™ has been designed to address this phenomenon. Traditional pipe linings have an average lining thickness that is consistent throughout the component. The result is that the majority of the lining is discarded prematurely as a result of a failure in the high wear zone. In contrast, the ArmorBEND™ has a unique design benefit in that thickness of the composite lining varies throughout the component to ensure the high wear areas have the most protection.

ArmorPIPE™ linings do not crack or delaminate and are repairable; these repairs allow the component to be returned to service at a fraction of the initial purchase price.

The ArmorBEND™ has proven to be a genuine bolt in bolt out replacement with a lining distribution that maximises the component life while still honouring the original hydraulic radius.

Allow our experienced pipe specialists to evaluate your requirements and provide the best value components for your system.



Ceramic Lined Fitting



ArmorBEND™ flange to flange wear management

### BENEFITS:

- Components are bolt in bolt out replacements
- The existing hydraulic radius and fittings are honoured.
- Lining thickness increased in high wear zones,
- Rebated flanges can be incorporated to protect the flange face from undercutting.
- Repairable lining mean you only pay for pipe fabrication only once,
- Energy absorbent ceramic lining will not crack or delaminate.
- Significantly extend component life over concentrically lined fittings.
- Wear Monitoring Pins are available.
- Custom designed and optimised for your application