

Wavistrong FR

Jet Fire proof



To secure safety on offshore platforms and in oil refineries, Future Pipe Industries has developed Wavistrong FR - a special Glassfiber Reinforced Epoxy (GRE) pipe system that can even withstand a jet fire! The concept is based on the standard Wavistrong systems, widely proven in the on- and offshore industry and in accordance with international standards like UKOOA. However, Wavistrong FR has extra fire resistance features thanks to an additional fire barrier integrated in the outer surface of the GRE component.



FUTURE PIPE INDUSTRIES B.V.

Glassfiber Reinforced Pipe Systems



Applications

Wavistrong FR is the proven solution for above ground fire mains on offshore platforms and in refineries. It is also extremely suitable for other pipe systems that have to meet high fire resistance demands.



General features standard Wavistrong

- Total corrosion resistance
- No maintenance needed
- Light weight
- Easy to install
- Reduced cost of installation compared to steel
- Excellent mechanical properties

Fire performance test

Type of fireload	Jet fire
Duration dry condition	5 minutes
Duration wet (flowing water)	15 minutes
Total jet fire duration	20 minutes
Temperatures	1200 - 1250 degr. C.



Additional features Wavistrong FR

Wavistrong FR offers the following additional advantages

- Low flame spread
- Low smoke and toxicity
- High impact resistance
- Extended support span
- Complete epoxy system
- Fire barrier forms an integral part of the pipe system
- Fire barrier can be either applied in the factory or on site
- Available in standard and electrically conductive system

Specifications and tests

- Available in diameters of 25 mm (1") up to and including 1600 mm (64")
- Pressure classes up to 50 bar (725 psi)
- Resistant to continuous temperatures of up to 110 degr. C
- Fire endurance level 3, according to IMO Resolution A. 753(18)
- Jet-fire according to OTI 95634 of HSE
- Flame spread according to IMO Resolution A. 653 (16)

Jet Fire



Lloyd's Register
Quality Assurance
ISO 9001

IMO Level 3
resolution A753 (18)



UK Offshore Operators Association



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J.C. Kellerlaan 3, PO Box 255, 7770 AG Hardenberg, the Netherlands
tel: (+31) 523 288 811, fax: (+31) 523 288 441, www.futurepipe.com,
e-mail: sales@futurepipe.nl