

FIBERBOND® Applications Guide

Offshore and Marine Services

Application	Recommended Series	Notes	Case Histories (just to name a few)
Firewater Ringmain	20FR Series 20FR-E, 20FR-EC 20FR16, 20FR16-C 20FR20, 20FR20-C	The "20FR" Series are USCG-approved products designed for use on the exterior perimeter of "floating" platforms in non-hazardous areas. The "-C" versions are available for the same applications in hazardous areas by using an electrically conductive exterior.	20FR-E: Mars, Ram-Powell, Ursa, Brutus, Petronius, Genesis, Neptune, Diana 20FR-EC: Horn Mountain, Nansen, Boomvang 20FR20: Diana
Firewater Deluge	20JF / 20JF-C 20JF16 / 20JF16-C	20JF is a USCG-approved product designed for use in "dry" deluge systems in non-hazardous areas. A second version, 20JF-C, is also available for the same applications in hazardous areas by using an electrically conductive exterior. 20JF16 and 20JF16-C approvals are pending.	20JF: Chinook, Zafiro 20JF-C: Nansen, Boomvang, Horn Mountain
Deck Drains, Open Drains, Vents	20HV-D / 20C	20HV-D is identical to 20HV except that it is rated for 100psig. 20C is the electrically conductive version of 20HV and is available in 50, 100, or 150psig ratings. 20C would be required if the fluids being transported were non-conductive.	20HV: Genesis, Ursa, Brutus, Na Kika 20C: Diana, Malampaya CGS
Freshwater	20HV(FDA)	20HV(FDA) is identical to the 20HV Series, except that special manufacturing and fabrication processes are required. Pressure ratings, fittings, mechanical properties, etc. are identical.	Brutus, WD143B, Na Kika
Cooling Water	20HV	Non-essential services. Subject to the approval process, it may be connected to essential service piping, such as the firewater ringmain, as long as there are means to isolate the two in the case of a fire or other emergency.	Zafiro, Petronius
Greywater	20HV	See above.	
Waterflood	20HV		Ram-Powell, Genesis, Petronius
Chemical	110FW	Series 20FR-E may be used for sodium hypochlorite service at concentrations below 100ppm and temperatures at or below 120 deg F. Series 20HV is not recommended for sodium hypochlorite service.	Petronius
Ballast Water	20HV / 20FR-E	Both series are suitable. Series 20FR-E meets IMO A.753(18) Level 3. 20HV is not fire-rated.	20FR-E: H.M. Ships Albion & Bulwark

Brutus is a Shell operated Tension Leg Platform (TLP) located in Green Canyon Block 158 - Gulf of Mexico.
 Boomvang & Nansen are Kerr McGee operated truss spars located in East Breaks Blocks 602 & 643 - Gulf of Mexico.
 Chinook is an ExxonMobil operated fixed-pile platform located in Main Pass Block 283 - Gulf of Mexico.
 Diana is an ExxonMobil operated DDCV located in East Breaks & Alaminos Canyon - Gulf of Mexico.
 Genesis is a Chevron operated SPAR platform located in South Timbalier Block 37 - Gulf of Mexico.
 H.M. Ships Albion & Bulwark are Landing Platform Docks (LPDs) in the British Royal Navy.
 Horn Mountain is a BP operated SPAR located in Mississippi Canyon Block 127 - Gulf of Mexico.
 Malampaya CGS is a Concrete Gravity Structure located in Block SC38 off the coast of Palawan in the Philippines.
 Mars is a Shell operated TLP located in Mississippi Canyon Block 807 - Gulf of Mexico.
 Na Kika is a BP/Shell operated FPS located in Mississippi Canyon Block 474 - Gulf of Mexico.
 Neptune is a Kerr McGee operated SPAR located in Viosca Knoll Block 826 - Gulf of Mexico.
 Petronius is a Texaco operated Compliant Tower fixed structure located in Viosca Knoll Block 786 - Gulf of Mexico.
 Ram-Powell is a Shell operated TLP located in Viosca Knoll Block 956 - Gulf of Mexico.
 Ursa is a Shell operated TLP located in Mississippi Canyon Block 810 - Gulf of Mexico.
 WD143B is a Shell operated fixed-pile platform located in West Delta Block 143 - Gulf of Mexico.
 Zafiro is an ExxonMobil operated Floating Production Unit (FPU) located off the coast of Equatorial Guinea, Africa.