



Taper/Taper adhesive-bonded Joint



Firefighting catamaran for Damietta Port Authority Egypt fitted with Bondstrand® GRE pipe

The Mapso Aquarius, a state of the art, full aluminum hull catamaran was designed by New Zealand based company Lomocean, to be used as a Firefighting, Search and Rescue vessel.

The 24.8 meter long vessel is equipped with four Hamilton water jets enabling a maximum speed of 27 nautical miles per hour. The class is Germanischer Lloyd.

The GLfifi1 class firefighting system is designed by FFS Norway. The foam capacity of the vessel is 5000 liters. The two fire water pumps can deliver 1200 m³ per hour each. The two monitors have a reach of 120 meter each, the water spray system provides a water curtain of 200 m³ per hour.

The working pressure of the system is 16 bar. The main reason for MAPSO to use GRE for the firefighting system was the considerable weight saving compared to steel piping. GRE is used for the seawater suction lines, the main delivery lines to the monitors and the four way deck head line.

Due to dimensional constraints, standard fittings could not be used. Special customized spools were supplied in order to meet the strict dimensional requirements.



Project

Firefighting catamaran for Damietta Port Authority Egypt

Client

MAPSO Marine Propulsion & Supply



Pipe system

Bondstrand series 2420 Taper/Taper in diameter range 3-14 inch

Installation date

Installation 2010
Launch of vessel 2011