

# Linear COMPOSITES

## Applications Shipping and Yachting

### SHIPPING AND YACHTING CASE STUDIES

Parafil  
Guard Rail

Suitable products



#### PARAFIL® Rigging

In yacht racing, minimising the mass of the yacht is critical to reducing windage and increasing speed. In short, every kilogram counts and carrying excess weight can make the difference between winning and losing. **PARAFIL® Rigging** has an excellent strength to weight ratio and is very stiff. These desirable properties are combined with resistance to UV, chemical and biological attack, making **PARAFIL®** rigging a winning solution.

A new PBO (p-phenylene-2,6-benzobisoxazole) variety of **PARAFIL® -Type Z** has recently been developed. Zylon® PBO is a revolutionarily synthetic fibre providing **PARAFIL® -Type Z** with an extremely high tensile strength and modulus along with a very high tenacity. PBO is generally accepted to be the first synthetic fibre with the capability to replace standard steel in yacht rigging.

Our **PARAFIL®** terminations can be specially designed to connect to any existing fitting.

#### PARAFIL® Guard Rail



**PARAFIL®** is used by the RNLI on their fleet of lifeboats and in the leisure yacht industry as the material of choice for guard rail. **PARAFIL®** is strong, durable, easy to install, easy to cut in emergencies and resistant to UV radiation, sea water and ice build up. The properties of **PARAFIL®** make it an ideal material for guard rail and in other demanding sea applications.

**PARAFIL®** is installed using specially designed terminations. Linear Composites Limited terminations are constructed from high quality materials and like **PARAFIL®** are highly resistant to corrosion. The combination of **PARAFIL®** and LCL terminations results in a guard rail system with a long design life which performs even under the most extreme conditions.

Linear Composites Limited  
Vale Mills, Oakworth, Keighley, West Yorkshire, BD22 0EB, UK  
Tel: +44 (0)1535 643363 Fax: +44 (0)1535 646889  
email: [mail@linearcomposites.com](mailto:mail@linearcomposites.com)