



PolyMarine Fender Systems is part of the Fender Innovations Group.

At polyMarine we produce highly durable, collision resistance Polyurethane fender systems mostly for heavy duty purposes but we also produce specials such as: Waerplates, Bollard and Mooring and rope protection solutions.

Protection solutions- Wearplates



Bollard/ Mooring protection



Information & Quotes

Fender Innovations and PolyMarine Fender Systems can offer a complete solution based on your needs and requirements.

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Our standard is customised!



- ✓ The best solution when every second counts
- ✓ Super strong



- ✓ Light weight
- ✓ Closed cell foam core
- ✓ No down time



SAR Fender systems features & Specifications



The best fender system when every second counts

Key features

» Weight

Depending on the specifications, the weight of our fenders are comparable to heavy duty air-filled tubes.

» Adaptable

Due to the construction method different dampening characteristics can be combined into one fender, each design is adapted to the vessel and her usage.

» Freedom of form

Any shape is possible, to fit the hull and to get the best performance in use.

» Seamless

The fenders are seamless around corners, which improve protection, dampening and wear & tear characteristics.

» Repairable

As the fender will not absorb water, it is easy to make an emergency repair to prevent further damage and to keep the effectiveness optimal. Later the fender can be repaired in its original condition.

» Close cell foam core

We only use high quality cross linked closed cell foam, so there is no water absorption

» Repairable

In case of damage, you can simply carry out an emergency repair so we can repair the fender as soon as it suits you

» No down time

Our fenders will not absorb water, making it easy to do an emergency repair to prevent further damage and keep the effectiveness optimal



Specifications

Shape

The fenders can be made in almost any shape and length. We work in "3D" to follow the shape of the hull on any corner, radius or angle. The cross section is flexible, we only have minimum radius for load bearing surfaces. The minimum radius depends on the use and duty of the fender. FI can advise you about the optimal fender form.

We will accept IGES, Rhino or other common used 3D or 2D files. If these are not available we also can make the fender from templates and/or measurements.

Mounting

The preferred way of fitting the fender system is bonding to the hull or structure. This is the quickest and most cost-effective method.

We can advise you if a different mounting type is required.

Specials

We can integrate rope eyes, handles and inserts into the topcoat. This allows us to create very strong connections up to 5 tons.

Materials

The fenders are built around a closed cell foam core, technical fabric and FI top-coating

Core Material

- The high quality foam core gives the fender its dampening characteristics and energy absorption properties.
- We use only closed cell, cross linked foam, so there is no water absorption.
- Different foam densities can be combined to get the desired properties
- High compressibility
- We have 15 different foam densities on stock

Technical Fabric

- We select the best technical fabric or mesh for your application. For example Aramid, Dyneema ect.

Top coat

- Special FI 59 Polyureah topcoat
- The topcoat thickness can be varied, depending on the application
- Our topcoat is extremely durable
- Finish:
 - Black, battle ship gray and orange
 - Non-skid or smooth
 - Other options can be discussed



Temperature range

The fender system is suitable for ambient temperatures between minus 30°C up to 55 °C. Different temperature ranges on request.

Additional features

- Your company logo on the fender
- Integration with composite, aluminium, nylon or stainless steel constructions
- Delivery of brackets, mounting points in stainless steel (316) or aluminium.

