

Quayside foam filled fenders

Designed by our engineering office, based on a heat laminated 100% closed cell polyethylen (PE) foam, wrapped with high tenacity polyester fabrics, coated with hot sprayed polyurethane with internal or external end fittings.

Excellent energy performance and coupled with low reaction force makes berthing operations easier especially in difficult conditions.

The floating foam fenders are very appropriate for dock, especially dock with large tidal range.

The foam fenders are available in diameters from 700 to 4500 mm and lengths from 800 mm to 15000 mm.

Different foam density, from 30 to 140 kg/m³ are available upon request.

Foam filled fender performances

| | Extra soft (30 kg/m³) | | Soft (50 kg/m³) | | Medium (70 kg /m³) | | Hard (100 kg/m³) | | Extra Hard (140 kg/m³) | |
|--------------------|--------------------------|-----------------|--------------------|-----------------|-----------------------|-----------------|---------------------|-----------------|---------------------------|-----------------|
| OD x Lg (m) | Energy (T.m) | Reaction (T) | Energy (T.m) | Reaction (T) | Energy (T.m) | Reaction (T) | Energy (T.m) | Reaction (T) | Energy (T.m) | Reaction (T) |
| 0,70 x 1,50 | 2,25 | 14,00 | 3,30 | 20,85 | 3,60 | 22,85 | 4,90 | 31,15 | 6,65 | 42,40 |
| 1,00 x 2,00 | 6,00 | 26,65 | 8,85 | 39,70 | 9,70 | 43,40 | 13,15 | 59,25 | 17,95 | 80,625 |
| 1,50 x 3,00 | 20,10 | 60,00 | 29,80 | 89,35 | 32,60 | 97,70 | 44,30 | 133,30 | 60,40 | 181,50 |
| 2,00 x 4,00 | 47,55 | 106,70 | 70,60 | 158,85 | 77,20 | 173,70 | 104,90 | 237,00 | 143,15 | 322,65 |
| $2,50 \times 5,00$ | 92,80 | 166,75 | 137,85 | 248,20 | 150,75 | 271,45 | 204,80 | 370,35 | 279,50 | 504,15 |
| 3,30 x 6,50 | 210,00 | 286,00 | 312,05 | 425,70 | 341,20 | 465,60 | 463,65 | 635,20 | 632,75 | 864,70 |

Installation lay- out

There are different installation options available:

- Simple floating mooring, fixed with properly dimensioned chains according to tidal movements to the quay,
- Suspended mooring, the quay height must be higher than the mooring surface. Fixation by chain is required to prevent the fender rolling onto the top of the quay when tide is high or variation of the vessel draft varies.
- Mooring with tidal monitoring system, concerning areas with high tides, a guide rail is installed on each side of the foam filled fender connected to a mooring ring.

Features of foam filled fenders

- Unsinkable
- Bespoke dimensions
- Proportional increase of energy & reaction
- Low hull pressure
- Non marking finish
- Low maintenance
- Long life expectancy
- Repairable
- Respect of environment
- Available in different colours
- Anti-UV treatment available upon request











ZONE FINALENS - DOUVRIN
62091 HAISNES CEDEX FRANCE

Tel : +33 (0)3.21.26.88.88 E-mail : contact@veos.fr