



INTER BOAT MARINAS



Breakwaters



Breakwaters have a solid construction of waterproof reinforced concrete with a core of expanded polystyrene. The sections are 15 or 20 meters long, giving them excellent wave breaking capacity and making them very suitable for protection of bays and harbours. The width can vary from 3 to 6 meters with a height of 1.4 and 1.8 meters.

Breakwaters are available in the following dimensions::

Breakwater type BW14 (height 1,4 meter)

BW14-3015: 15 x 3 x 1,4 meter - 30 ton, **BW14-3020:** 20 x 3 x 1,4 meter - 37 ton
BW14-4015: 15 x 4 x 1,4 meter - 35 ton, **BW14-4020:** 20 x 4 x 1,4 meter - 44 ton
BW14-5015: 15 x 5 x 1,4 meter - 44 ton, **BW14-5020:** 20 x 5 x 1,4 meter - 55 ton
BW14-6015: 15 x 6 x 1,4 meter - 50 ton, **BW14-6020:** 20 x 6 x 1,4 meter - 62 ton

Breakwater type BW18 (height 1,8 meter)

BW18-3015: 15 x 3 x 1,8 meter - 35 ton, **BW18-3020:** 20 x 3 x 1,8 meter - 45 ton
BW18-4015: 15 x 4 x 1,8 meter - 41 ton, **BW18-4020:** 20 x 4 x 1,8 meter - 51 ton
BW18-5015: 15 x 5 x 1,8 meter - 51 ton, **BW18-5020:** 20 x 5 x 1,8 meter - 64 ton
BW18-6015: 15 x 6 x 1,8 meter - 57 ton, **BW18-6020:** 20 x 6 x 1,8 meter - 71 ton



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REGRON**
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Technical information

Load capacity

The standard uniformly distributed load of our breakwaters is is: 500 kg/m².

Freeboard

The unloaded freeboard of the breakwaters is at least 40 cm to a maximum of 120 cm, depending on the type of element.

Construction

The breakwaters are made of waterproof concrete with a density of 45N/mm² and reinforced with galvanized steel. The core consists of expanded polystyrene with a density of 15 kg/m³ (EPS60). Specifications can be customized according to customer requirements.

Cable ducts

Plastic cable ducts can be poured in during the manufacturing of the breakwaters.

Fenders

Standard wooden fender frames made of impregnated pine are fitted to both longitudinal sides of the breakwaters. If disered, the fender frames can be made of rubber D-fenders or polyethylene.

Interconnection

The breakwaters type BW14 are interconnected with heavy-duty semi-flexible connectors of at least 4x672 kN. For the breakwaters type BW18, the connectors are at least 4x1218 kN.

Anchoring

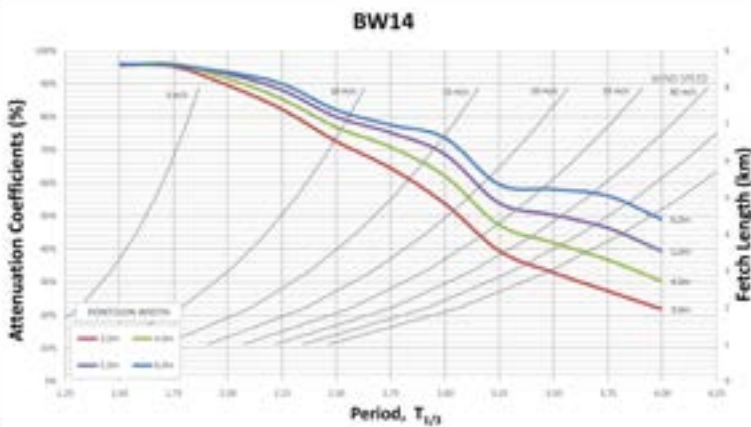
With chains, piles or elastic mooring.

Options

Dock decking with, for example, hardwood or composite, mooring cleats, concrete pigmentation.



Pontoon Attenuation Curve



Pontoon Attenuation Curve

