MARINA SYSTEMS COMPARISO

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| **MARINA SYSTEMS COMPARISON****Heavy duty concrete pontoon vs concrete encased pontoon systems** |

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| **Super Elite Reinforced Concrete** | **Concrete Encased/Timber Waler** |
| Reinforced concrete deck 100mm and over thick. Deck and wall thickness provides longer overall design life | Recessed mesh below a 45mm deck |
| Reinforced concrete walls 100mm and over thick, very high impact resistance | Unreinforced concrete with light duty mesh at 40mm thick |
| Heavy duty reinforcement | Light duty reinforcement |
| Pontoon base: Fully welded PE base liner system | Pontoon base: Unreinforced concrete |
| Pontoon to pontoon connector bolts 42mm diameter | Pontoon to pontoon connector bolts 16mm diameter |
| Individual pontoon mass of 48 Tonnes. More mass provides more stability and is better against environmental forces | Individual pontoon mass of under 3 Tonne |
| EPS positive flotation core | EPS positive flotation core |
| Rubber stress relief at joins | Timber waler provides stress disapation |
| Stainless steel cover strips between pontoons, no gaps and no trip hazards between pontoons | No covers at joins |
| Low/zero maintenance required | More frequent maintenance required due to waler connection system |
| 5-sided structure allows more concrete to areas where it is structurally required. Pontoon is able to handle high concentrated loads (pile guide connection, heavy fender, cleats) and transfer the loads (in example from cleats to piles) | Thinner structures allow less concentrated loads and load transferring |

