

Claims:

1. A module for an underwater structure, the module comprising a plurality of walls defining a cavity configured such that at least two walls of said plurality of walls confront one another to provide respective stack support surfaces for supporting a said module, wherein two or more walls of said plurality of walls each comprise an aperture providing a conduit through each of said two or more walls to said cavity; said cavity configured to provide a water flow path into, through and from said cavity; and
 wherein said cavity comprises curved walls forming a central sphere configured to provide a support arch for one or more of said plurality of walls;
and wherein the two or more walls of said plurality of walls each further comprise a cylindrical space extending inward from their respective exterior faces to said cavity.
2. A module according to claim 1, wherein said walls comprise a masonry material.
3. A module according to claim 2, wherein said masonry material is concrete.
4. A module according to any preceding claim, wherein said cavity and or apertures are configured to provide sufficient mechanical strength to support at least one said module, preferably to support up to five of said module, more preferably up to ten of said module.
5. A module according to claim 1, wherein said cavity comprises curved walls configured to provide a vault-like support for one or more of said plurality of walls.
6. A module according to any preceding claim, wherein at least one of said plurality of walls comprises a rough outer surface.

7. A module according to any preceding claim, further comprising an engagement formation on at least one of said plurality of walls configured to engage with a complementary formation disposed on an external element external to said module.
8. A module according to claim 7, wherein said engagement formation is disposed on an outer wall of said one or more plurality of walls.
9. A module according to claim 7 or claim 8, further comprising a said engagement formation on at least two of said plurality of walls and wherein a first said engagement on a first of said at least two of said plurality of walls is complementary to a second said engagement formation on a second of said at least two or more plurality of walls.
10. A module according to claim 9, wherein said at least two of said plurality of walls oppose each other.
11. A module according to claim 10, wherein said first and second engagement portions on said at least two of said plurality of walls are configured for engagement with a laterally disposed element external to said module.
12. A module according to claim 11 or claim 10, wherein said first and second engagement portions on said at least two of said plurality of walls are configured for engagement with a vertically disposed element external to said module.
13. A module according to claim 12, wherein said at least two of said plurality of walls provide said respective stack surfaces.

14. An external element configured to engage with a module according to any of claim 7 to claim 13, wherein said external element comprises a module according to any of claim 1 to claim 6.
15. A structure comprising a plurality of modules according to any preceding claim, wherein a first group of said plurality of modules support a second group of said plurality of modules, a stack surface of each of said second group of said plurality of modules resting on one or more stack surfaces of said first group of said plurality of modules.
16. A structure according to claim 15 when dependent on any of claim 7 to claim 14, wherein adjacent modules in a lateral direction are interlocked with each other via said engagement formation and complementary engagement formation.
17. A structure according to claim 15 when dependent on any of claim 7 to claim 14, or according to claim 16, wherein adjacent modules in a vertical direction are interlocked with each other via said engagement formation and complementary engagement formation.
18. A method of manufacturing a module for an artificial reef according to claim 1, the method comprising:
- placing an object having the desired shape of a cavity to be formed in a module to be manufactured in a mould comprising an inner configuration corresponding to the outer configuration of said module;
- placing a first and second ring to extend from respective first and second inner walls to said object;

filling said mould with a settable mixture comprising masonry material; and
allowing said settable mixture to set and removing said module from said mould.

19. A method according to claim 18, further comprising removing said first and second ring prior to removing said module from said mould.

20. A method according to claim 18 or claim 19, wherein said object is collapsible so as to remove said object from said module.

21. A method according to claim 20, wherein said object is an inflatable object is deflatable so as to remove said object from said module.

22. A method according to any of claim 18 to claim 21, further comprising removing partially set mixture from an exterior wall or part thereof to provide a rough surface.

23. A method according to claim 22, wherein said removing partially set mixture exposes aggregate surfaces.

24. A module according to claim 1, wherein said walls comprise a plastic material.