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| Product | Flexipond – Modular Tank System |
| Make | Flexipond |
| Drawing Number | FP-00001-OCATx1 Hgd (Flexipond 1x1 Hinged Assembly) |
| Date of Manufacture | N/A |
| Date of Certification | 27/06/2019 |
| Design Certificate/Report # | ENG-003 B0 |

Product Primary

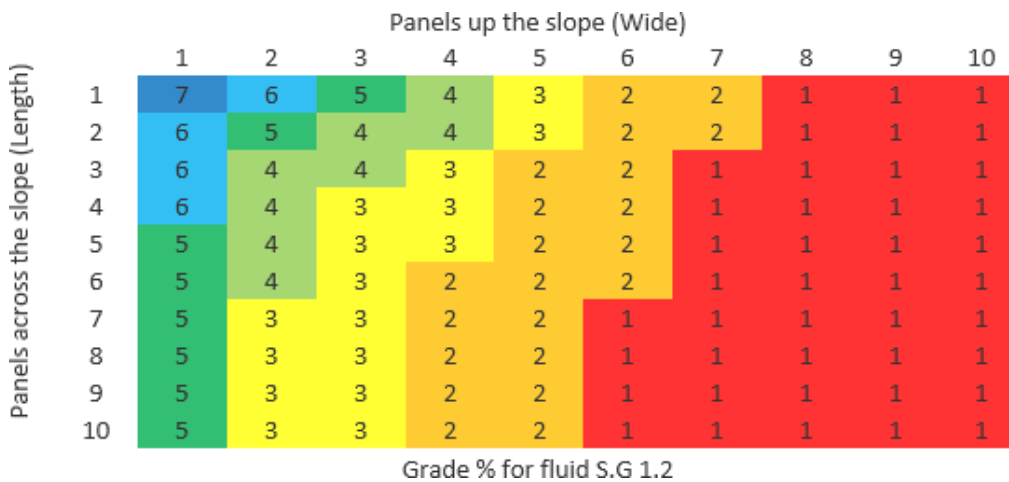
The Flexipond modular tank system is designed to be assembled in multiple configuration options. The modular assemblies pin together to form a pond for fluid storage for fluids up to 1.2 SG. The configurations range from 1 x 1 panels up to 10 x 10 panels and various combinations in between depending on available area. For configurations with sides of more than 1 panel, connecting cables must be used to hold the panels together. These modular assemblies are designed to fold for transport or storage.

Design Loads

- Hydrostatic loads for Fluids up to 1.2 SG
 - Ground pressure from frames under hydrostatic forces = 35 kPa
 - Ground pressure of liner under hydrostatic forces = 25 kPa
- Assembled units - Wind Loads for all Australian Wind Regions (including Cyclonic Regions)
- Individual Panels – Overturning/Sliding rating - In storage or prior to installation - to a maximum of 100km/hr Wind

Conditions of Certification

- Site Slope:
 - Refer to Chart for number of panels configuration versus Maximum Allowable Slope
 - To maximise fluid volume, it is recommended to locate the pond on a flat horizontal surface.



- Example: A Pond with 5 panels across the slope & 6 panels up the slope – should only be assembled on a site with a slope no greater than 2% (1.15°)
- Ground/Site Preparation:
 - Assessment would be on a site-specific basis
 - Recommended final site preparation of a bedding material of loose sand or fine aggregate to ensure uniform loading under frame members

Certificate of Compliance



- A depth of not less than 100mm would ensure final levelling could be performed during assembly of the panels
- Alternatively, a ground level tolerance of +/- 16mm should be used to ensure uniform loading under frame members
- To reduce the likelihood of erosion, it is recommended that a spoon drain or similar be provided around the structure, particularly on the high side or where there is the potential for significant runoff to impact the structure. This would also be site specific.
- Connecting Cables:
 - Connecting cables must be capable of being safely loaded to 160kN
- Modifications:
 - No modifications are to be performed without the prior written consent of MPC Kinetic Well Equipment Solutions

Applicable Standards

- AS3990:1993(R2016) Mechanical Equipment - Steel Work
- AS1170.0-2011(R2016) Structural Design Actions: General Principles
- AS1170.1-2011(R2016) Structural Design Actions: Permanent, Imposed and other actions
- AS1170.2:2011(R2016) Structural Design Actions: Wind Actions

The engineer below confirms that the above mentioned product has been designed and manufactured in accordance with the referenced Applicable Standards.

A handwritten signature in black ink, appearing to read 'A. Gustafson'.

Adrian Gustafson BEng (Mech), RPEng, RPEQ (18617)

Signed for and on behalf of Well Equipment Solutions

