

Umat – Seabed Mattress System

PS Umat - Permanent Seabed Support Mattress

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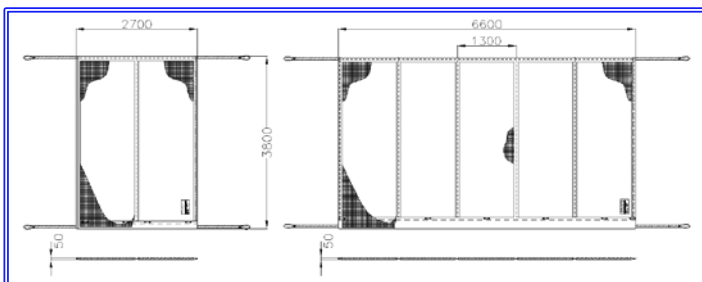
The **PS Umat**, Subsea Permanent Seabed Support Mattress, is part of the Umat Seabed Mattress System that includes a number of different type and size, single or multi segment, high strength, seabed support and foundation mattresses that suit a wide range of subsea applications and / or conditions, including soft seabed.



Construction

- o 38mm thick GRP grating and high strength, tear and wear resistant fabric.
- o Includes only corrosion resistant parts.
- o Certified webbing straps for lifting and handling sewed into the mattress assembly.
- o The standard configuration is the 3 and 5 segment mattresses. 1, 2 and 4 segment configurations are also available.
- o Sizes / weights:

PS - Umat Configuration	Length (m)	Width (m)	Height (m)	Dry Wgt. (kg)	Seawater Wgt. (kg)	Seabed Wgt. (kg/Sq. m.)
1 - Segment	1.4	3.8	0.05	97	27	5,1
2 - Segment	2.7	3.8	0.05	190	53	5,2
3 - Segment	4.0	3.8	0.05	283	80	5,3
4 - Segment	5.3	3.8	0.05	376	107	5,3
5 - Segment	6.6	3.8	0.05	469	134	5,3



Application & Features

- o Rigid permanent long term seabed support arrangement for subsea structures and equipment such as PLEM / PLET, PLR's, Tie-in Spools etc.
- o Lightweight construction that is easy and fast to handle, install and recover without the use of lift spreader.
- o Can be positioned / repositioned on the seabed by a Workclass ROV. Ufists, the engineered 'monkey fist' system, are included for ROV handling.
- o Prevent equipment from sinking into the seabed.
- o Eliminates any seabed suction effects.
- o The Umat fabric permits water to penetrate. There is no penetration of sand and silt (i.e. compaction of underlying seabed/soil during loading).
- o If required, delivered with rigging for deployment of a folded segmented Umat unit. ROV releases the rigging, and the mats are unfolded on the seabed.



- o Rental Subsea ROV Basket, Ubas G, for deployment of a number of folded Umat units at the same time are also available (basket internal size is 4.2m x 1.8m x 0.76m, W x D x H).



- o Delivered wrapped in plastic placed on a purpose made wooden pallet for forklift handling. In case of export, the wood material will be ISPM 15 certified.

Contacts

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