

# Umat – Subsea Mattress System

## HD Umat - Heavy Duty Seabed Support Mattress

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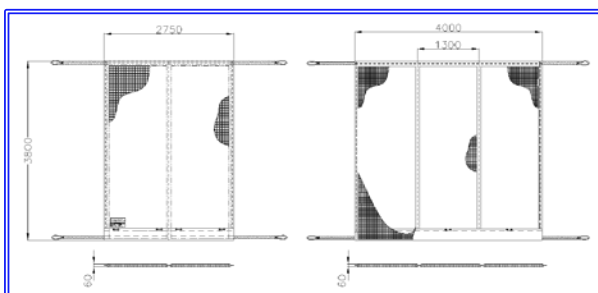
The **HD Umat**, Subsea Heavy Duty Seabed Support Mattress, is part of the Umat Seabed Mattress System that includes a number of different type and size, single or multi segment, high strength, seabed support and foundation mattresses that suit a wide range of subsea applications and / or conditions,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



### Construction

- 50mm thick GRP grating and high strength, tear and wear resistant fabric.
- Includes only corrosion resistant parts.
- Certified webbing straps for lifting and handling sewed into the mattress assembly.
- Optional high friction coating on one side.
- Optional inter-segment stiffeners available.
- Optional mud skirt for seabed penetration and stabilization available.
- The standard configuration is the 2-segment and 5-segment mattresses. 1, 3 and 4 segments configurations are also available.
- Sizes / weights:

HD - 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	0.06	118	33	6.2
2 - Segment	2.7	3.8	0.06	222	67	6.5
3 - Segment	4.0	3.8	0.06	345	100	6.6
4 - Segment	5.3	3.8	0.06	431	134	6.7
5 - Segment	6.6	3.8	0.06	535	167	6.7



### Application & Features

- Rigid seabed support mattress primarily intended to provide support and foundation for heavy objects and structures that have a limited footprint (e.g. subsea DMA), or larger objects / structures with a very high weight.
- Can also be used for support of PLEM/PLET's, PLR's and UTA's, subsea baskets and similar.
- Lightweight construction that is easy and fast to handle, install and recover without the use of lift spreader.
- Can be positioned / repositioned on the seabed by a Workclass ROV. Ufists ball fists are included for ROV handling.
- Prevent equipment from sinking into the seabed.
- Eliminates any seabed suction effects.
- The Umat fabric permits water to penetrate. There is no penetration of sand and silt (i.e. compaction of underlying seabed/soil during loading).
- If required, delivered with rigging for deployment either as a folded unit, or unfolded.



- 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).



- 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 and stamp marked.

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