

Umat – Seabed Mattress System

SI Umat - Subsea Instrument / Small Items

Seabed Support Mattress

Doc. No.: IN-UDE-180-DS-026, Rev. 01

The **SI Umat**, Subsea Instrument / Small Item 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.



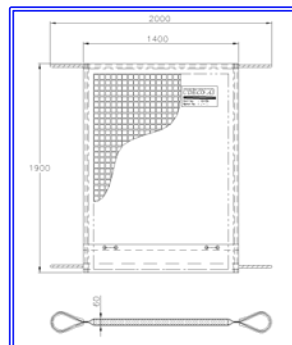
Construction

- 50mm thick GRP grating and high strength, tear and wear resistant fabric.
- Includes only corrosion resistant parts.
- 50mm webbing strap sewed into all four sides of the mattress. The minimum braking strength is 1800 kg.
- In each corner, the 50mm webbing strap is sewed as a handling loop. The loops includes a 25mm diameter transparent vinyl hose.
- The minimum braking strength for the handling loop is 3600kg.
- Primarily delivered as a 1-segment mattress. However, up to 4 additional segments can be added on client request.
- Size / weight:

SI - Umat Configuration	Length (m)	Width (m)	Height (m)	Dry Wgt. (kg)	Seawater Wgt. (kg)	Seabed Wgt. (kg /Sq. m.)
1 - Segment	1,9	1,4	0,06	59	17	6,4
Other configurations on request.						

Application & Features

- Seabed support mattress primarily intended to provide seabed support for subsea instruments including tripods or other smaller items, objects, DMA's and structures that have limited footprint.
- Can be used as a temporary or permanent installed mattress.
- Rigid and lightweight construction that is easy and fast to handle, install and recover.
- 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).
- Each corner of the mattress include a lifting and handling loop that permit ROV positioning / repositioning on the seabed. Additional Ufists (Monkey Fists) can also be attached to the loops.
- By attaching the mattress rigging to a separate pennant wire / rope with ROV hook, it can be deployed together with the instrument / item it shall support. The ROV position the mattress prior to landing of the instrument / item on the mattress. In such a case it can also be recovered with the instrument / item.
- Can be delivered with integrated subsea instrumentation interface / landing receptacle details, including transponder buckets.
- Delivered on a Euro pallet wrapped in plastic.



Contacts

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