

Umat – Seabed Mattress System

SB Umat – Subsea Seabed Support Blanket

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The **SB Umat**, Subsea Seabed Support Blanket, 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

- Made from tear and wear resistant high strength three layer laminated polypropylene fabric.
- 5cm diameter sand filled hose, or alternatively a 20mm galvanised wire, integrated in the blanket sides for unfolding and weight purposes.
- Additional longitudinal or transvers hoses or wires can be incorporated into the blanket for weight / positioning purposes.
- Ubag subsea construction and support bag available for weigh and stabilisation purposes. The Ubag system includes subsea bags available in various sizes, weight and geometries.
- Fabric material permit penetration of water, not sand and silt.
- Multiple blankets can be combined in order to make a larger / longer blanket.

Dimensions / Weight:

SB - Umat Configuration	Length (m)	Width (m)	Height (m) Wire / Hose	Dry Wgt. (kg) Wire / Hose	Seawater Wgt. (kg) Wire / Hose
Small	3.6	2.0	0.02 / 0,05	29 / 45	18 / 22
Large	5.1	3.2	0.02 / 0,05	47 / 70	28 / 32

Other widths, lengths, and configurations is available on request.

Application & Features

- Seabed support arrangement including support for rock dump, sandbags or similar on firm or soft seabed.
- To cover soft / 'loose' seabed areas, seabed areas with loose debris or potential scour areas.
- To cover potential snag points in conjunction with subsea operations (e.g. snagging of wires, ROV umbilical, jumpers etc.).
- Debris protection / ingress prevention for equipment during subsea intervention / work over / drilling operations.
- Will also protect structures and items from wear and erosion resulting from current and sand flow along the seabed (e.g. ropes on concrete mattresses).
- Can be used as a 'work bench' onto which the ROV (and divers) can temporarily park / place equipment.
- Eliminates any seabed suction effects.
- Ubas ROV rental basket or lightweight blanket spreader available for installation purposes.
- Lightweight construction that is easy and fast to handle, install and recover.
- Can be positioned / repositioned on the seabed by a Workclass ROV. Ufists, the engineered 'monkey fist' system, are included for ROV handling.
- Re-useable after recovery.
- Delivered on a Euro pallet wrapped in plastic.



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