| Page 1 of 2 |





Real Safe Mud Mat Technical Data Sheet

Product Description

Real Safe Standard Mud Mat is a heavy-duty polyurethane (PU) Subsea Protection & Support Mat developed for use both for offshore and onshore applications.

The steel reinforced Mud Mats have been developed for special purposes by molding-in steel reinforcements providing mats stiffness, ballast and robustness resulting in increased structural stability during subsea operations.

Technical Specifications

Real Safe Mud Mats are made from high grade polyurethane (PU), a lightweight material with extreme durability.

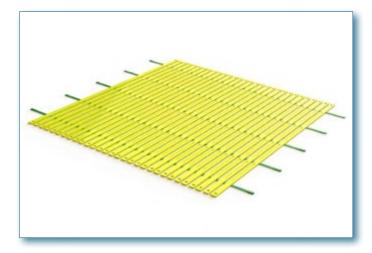
In environments with low temperatures and reduced UV exposure such as seabed, Real Safe Mud Mats have an expected lifetime of 20 years.

Polyurethane specifications: PP-PU-100-65D			
Tensile Strength	30,5 (ISO 37)		
Elongation at tear	198% (ISO 37)		
Abrasion resistance	5mg/1000 cycle (ASTM D4060)		
Hardness	65 Shore D		

BENEFITS OF REAL SAFE MUD MAT

- Increase visibility during subsea operations
- Reduce friction during tie-in operations
- Prevent offshore structures and tools from sinking into soft unconsolidated soil on the seabed
- Minimal cleaning of object placed on a mat
- Lightweight
- Quick to deploy and retrieve
- Easy to Wash
- Long shelf life, Reusable





APPLICATIONS

- Support for subsea equipment
- Landing and positioning device on seabed
- Seabed pipeline and cable protection
- Wear protection between two crossing elements
- \cdot $\,$ Soil protection on building sites
- construction site access
- Soft or sensitive ground condition areas where vehicle access is required





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Standard Sizes

Real Safe Mud Mats are available in 7 standard sizes as shown in the table below. For larger areas, standard Mud Mats can be overlapped. Custom made solutions can be provided for specific applications.

		Mass in air/seawater (kg)		Bundle size
Туре	Dimension (mm)	Mud Mat Standard	Mud Mat Reinforced	LxWxH (cm)
Mud Mat 4	2400x1600x30	95/12	105/25	245x30x25
Mud Mat 9	3600x2600x30	220/30	255/65	365x30x35
Mud Mat 14	3600x4000x30	330/45	380/95	365x60x20
Mud Mat 18	3600x5000x30	410/60	470/125	365x60x35
Mud Mat 19	4800x4000x30	430/60	500/130	490x60x25
Mud Mat 24	4800x5000x30	540/70	630/165	490x60x35
Mud Mat 30	6000x5000x30	670/90	800/215	610x60x35

Product Handling

Lifting slings 2 Te green are integrated into the Mud Mat during fabrication, which allows for easy deployment and structural stability. After production, Mud Mats are bundled - ensuring easy handling during transport and storage.

Installation

Installation of Real Safe Mud Mat is relatively simple and time efficient. The mats may be over-boarded and lowered to the seabed in clusters if necessary. The table below gives a time estimate on installation duration.



Subsea operations	Duration (min)	Accumulated Duration (min)
Over-boarding and lowering to seabed	30	30
Landing on seabed	6	36
Roll out mats	5	41
Pick up and place with ROV	15	56

Mud Mats made from Polyurethane can be installed in approx. I hour, which is quick when compared to similar products such as concrete mats, which take more than 2 hours to be installed.

