

WHERE WE WORK

Supply Bases/Manufacturing Sites

UK	Europe	Project Specific Worldwide
Asia Pacific	Saudi Arabia	UAE
South Africa	Azerbaijan	Americas
Mexico	Mediterranean	Norway

ACCREDITATIONS AND AWARDS

The Queen's Award for International Trade/Innovation 2005, and International Trade 2013

East of England Energy Group Innovation Award 2007 for Advanced Drill Cuttings Process System

SafeContractor

Investors In People – Gold

ISO 9001 and 14001

ISO 45001 Safety Standard



GEO=MAT



GEO=MAT - Pre-fixed Geotextile Mattress Solutions



GEOTEXTILE FABRIC SOLUTIONS

Pre-fixed geotextile mattress for extra stability and anti-abrasion



GEO=MAT can be pre-fixed to either side of the concrete mattress or even both sides.

The **GEO=MAT** geotextile mattress has been designed to provide extra benefits to those obtained from a normal concrete mattress. The highly durable, needle punch non-woven layer can be used as a preventative measure to avoid sinking in soft sea or river bed conditions, or used as an anti-abrasive layer to provide a barrier between the concrete mattress and the asset.

A standard **GEO=MAT** comes in an oversized 6m x 3m size designed to be installed with our standard range of mattresses, although bespoke sizes and specification are also available. With easy fixing points at all loops, the oversized **GEO=MAT** enables single installation of both concrete mattress and protective layer.



Contact us to discuss your project today

+44 (0)1502 560900 or **info@pipeshield.com**

Features & Benefits

- Pre-fixed for single installation
- Oversized for synchronized lifting
- Non-woven high durability
- Can be manufactured with overlay flaps to ensure total geotextile protection
- Stiffener rods can be fitted to overlay flaps for diver less installation
- Can be used to prevent sinking in soft sea / riverbed conditions
- High quality anti-abrasive protection
- Can be fitted on either side or both
- Fast & easy to attach to mattress



Specifications (* BASED ON 30 KN. OTHER SPECIFICATIONS ARE AVAILABLE)

MECHANICAL STRENGTH	TEST	UNIT	VALUES
Tensile strength	EN ISO 10319	kN / m	30*
Tensile elongation	EN ISO 10319	%	80
Puncture	EN ISO 12236	kN	5
Cone drop	EN ISO 13433	mm	5

FILTER PROPERTIES	TEST	UNIT	VALUES
Opening size	EN ISO 12956	Micron	80
Water flow	EN ISO 11058	l/S/M2	65
Coefficient permeability	EN ISO 11058	M.S 10 .3	6.4

DURABILITY	TEST	UNIT	VALUES
Weathering 50J/m2 (1m)	EN 12224		> 90% Retained strength
Microbiological resistance	EN 12225		No loss in strength
Resistance to acids & alkalis	EN 14030		No loss in strength
Oxidisation at 85 days (100 years)	EN 13438		> 90% Retained strength



WE'VE GOT IT COVERED.

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GEO=MAT comes oversized to accommodate the contours of the mattress during lifting.

Additional options include the addition of overlay flaps & stiffener rods for diver-less use.



Overlay flaps for total geotextile cover



Stiffener rods for diver free installation



Surface operated hydraulic release kits*

* Please contact us to discuss