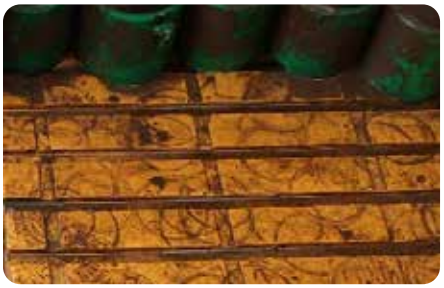
Rig-Grip



RIG-GRIP® SETBACK MATTING

Product Description

Rig-Grip® setback matting is designed primarily for pipe racks and setback areas on the drill floor, their unique heavy duty construction ensures they are extremely robust and durable and can handle heavy drill strings racked upon them.

Constructed using an elastic two component custom blended Polyurethane system with good low and high temperature properties. This high strength/ high density PU resin system that holds excellent chemical resistant properties to withstand the most commonly used fluids encountered in the oilfield. Each mat is custom moulded to incorporate pre-moulded drainage channels/grooves in the surface to allow positive fluid run off, this also provides additional traction. The product is Fire; Chemical & Dielectric tested to European standards and is produced under strict ISO 9001 quality assurance standards.

Mats can be supplied any colour and can incorporate various safety/hazard identification which is embossed into the surface of the mats.

Typical Applications

- Setback Areas
- Pipe Racks
- Tubular Racking

Benefits

- Heavy Duty/High Traction
- Excellent Impact Resistant
- Fluid Management
- Identify Drop Zones/Danger Areas
- Reduce Tripping Time

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Options

Sizing
Rig-Grip® safety matting is a custom designed, manufactured product. Design and sizing is typically based on rig supplied drawings.

Colours
Typically supplied either Yellow or Red; however custom colours are available on request.

Hazard Markings/Custom Logos
Rig-Grip® mats can incorporate various customised logos and safety hazard markings which are embossed on the surface of the product.

Surface Pattern
Fluid channels run in single direction - ideally the location of drains/drainage system is required to ensure mats are designed to offer maximum fluid run off.

Mat Thickness Options & Weights
38mm (1½") thick mat - 43kg per M^2

Installation

Mat can be secured to most decks surfaces using conventional fixing methods.

Specification

Physical Data

Colour:
Various - Mixed whilst in liquid state

Finish:
Flat Sheet - Channelled Surface

Anti-slip Grade:
High Traction - Gritted

Tensile Strength:
24.0 MPa (DIN53455)

Elongation at Break:
395% (DIN53455)

Shore Hardness:
94A (DIN EN ISO 868)

Tear Resistance:
68.1 N/mm^2 (DIN53356)

Linear Thermal Expansion:
108 10^{-6} K^{-1} (DIN53752)

Water Absorption:
Less than 0.1%

Temperature Range:
-35 deg C to +95 deg C

Test Data

Fire Testing:
BS EN ISO 11925-2 and BS EN ISO 9293-1

Chemical Resistance:
Various compounds including most commonly used water & oil based drilling muds and fluids.

Dielectric Testing:
IEC 243

Coefficient of Friction:
0.9 Wet 0.95 Dry
(Friction test carried out using the pendulum Grip Test)
Reading of 0.6 is considered good.

Rig-Grip Safety Matting - Pipe Racking Mats Mat Thickness - 38mm (1½")
High Density Polymer - Shore A 94 Hardness

Kilogram Force / Centimetre² (KGF/CM²)	Pound Force / Inch² (IBF/IN²)	Notable Compression Under Loading
7.03	100	3%
17.57	250	5.9%
35.15	500	12.3%
52.73	750	19.1%
70.3	1000	24.9%
175.7	2500	54.1%
351.53	5000	60%

Transportation/Classification

Rig-Grip® Mats are classed as non-hazardous materials and can be shipped through conventional methods.

Maintenance

Surface Maintenance
Rig-Grip® mats should be cleaned at intermittent intervals to insure they offer optimum performance, wash with water based detergent, stiff brush or high pressure washers/steam cleaners.

Cutting & Drilling
This product is not easily cut or shaped once produced - it is vital that as much detail is included at the design stage to be incorporated during manufacture.

Health & Safety

Rig-Grip® Safety Mats can be heavy and can be cumbersome to be moved around location, therefore suitable manpower and lifting aids should be used to alleviate any hazards.

If in any doubt about an application please contact SafetyGrip Technical Services on: +44(0)1224 784700 info@safetygripsolutions.com

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