



# Fluoroglide® PTFE Skidways

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# About us

Our skidway plates are used in many construction yards throughout the world to assist in skidding jackets, modules, and heavy structures.

Jackets and decks with weights up to 35,000 tonnes have been successfully loaded out on Fluoroglide® skidway plates in combination with Fluoroslip® Lubricating Systems.

Typical friction values are 5-12% for static breakout and 1-5% for dynamic skidding. These values are dependent upon the surface finish of the timber skid shoe, flatness of the installed skidway plates and the use of Fluoroslip®.

Actual values for coefficient of friction achieved during loadout of a 18,300 tonne fabrication pulled by strain jacks were:

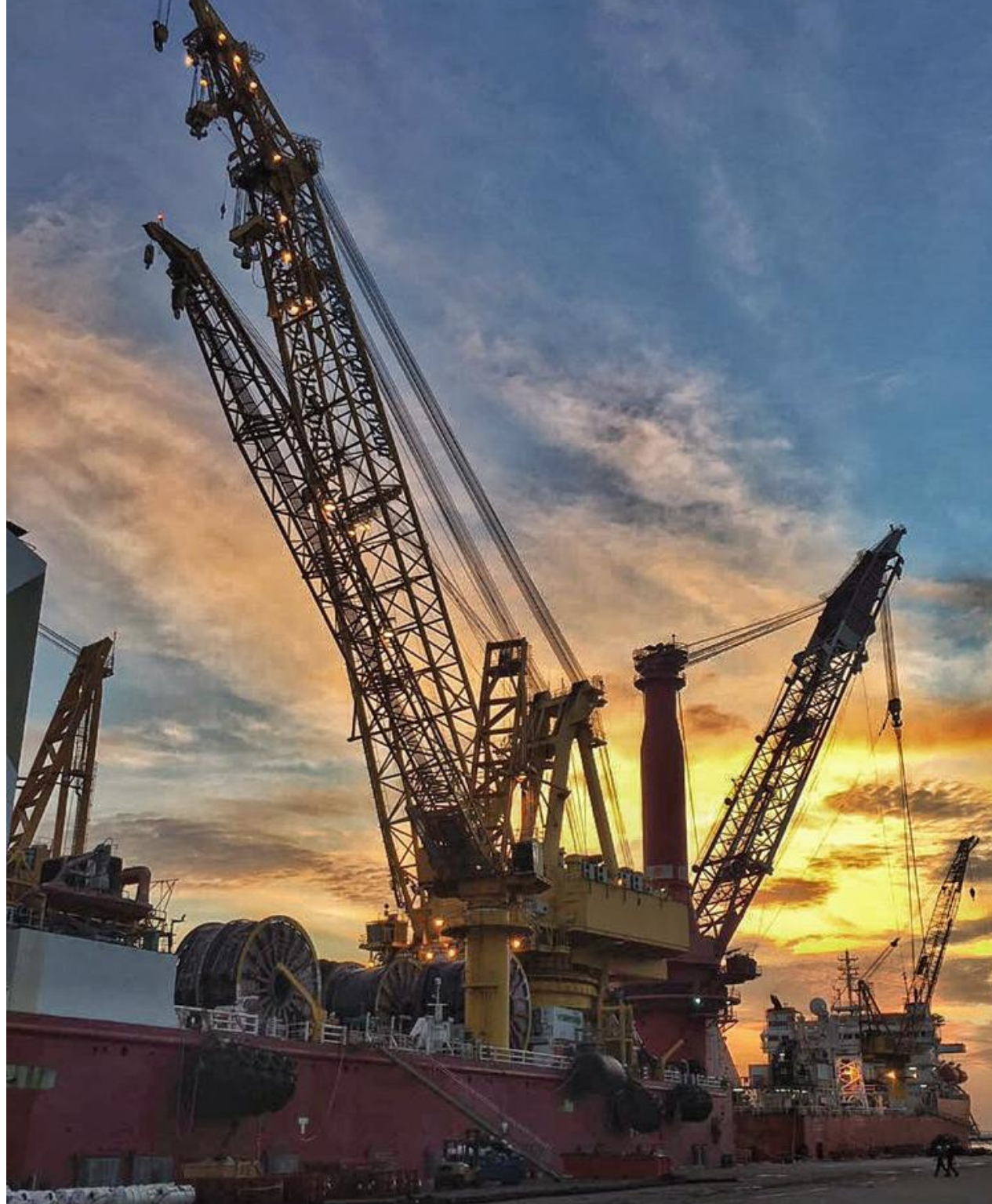
- Static breakout friction 4.5%
- Dynamic 3%





# Services

- We offer a range of skidway plates to suit all customer requirements.
- Full experienced technical consultants available for onsite discussions.
- A typical Fluoroglide® skidway plate comprises of 2.5mm Fluorinoid® PTFE hot bonded to a 3mm carbon steel plate with a 25mm welding lip, for onsite tack welding without damage to the PTFE.
- All exposed metallic surfaces are primed to protect against corrosion.



# The Skidway

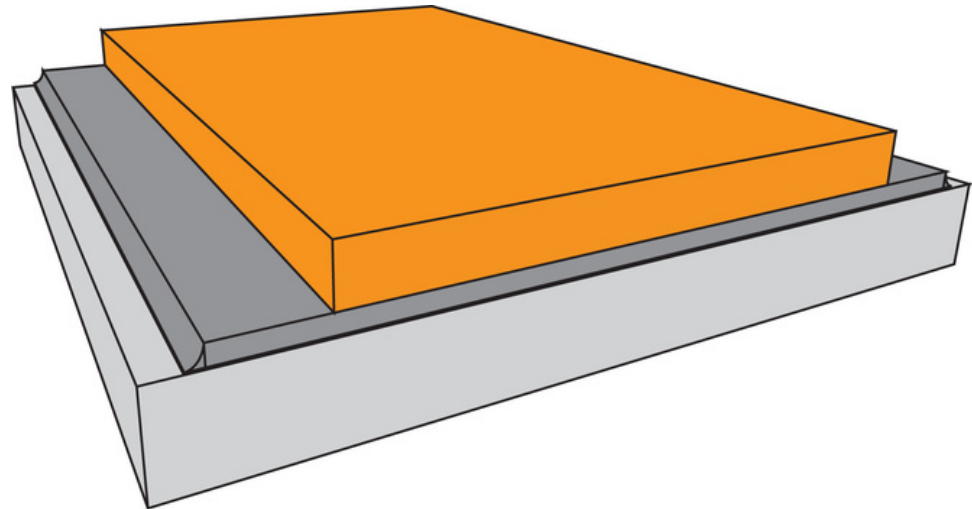
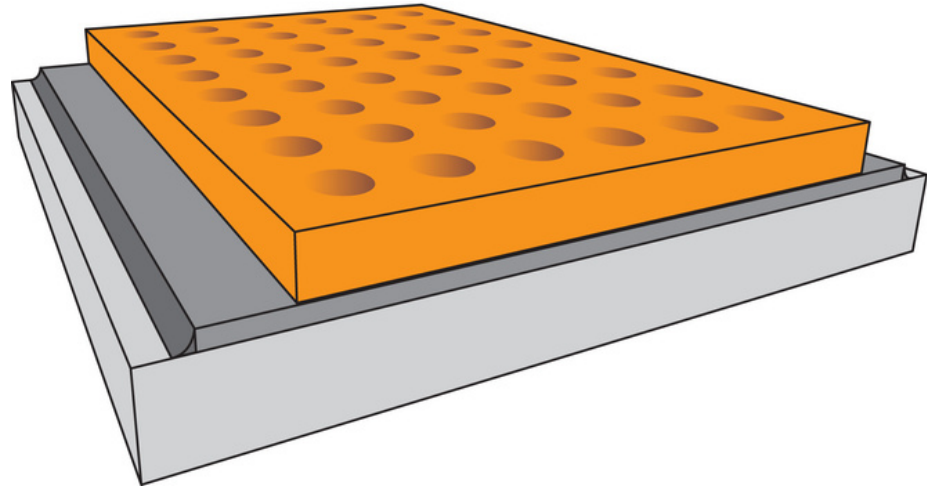
We offer a range of skidway plates to suit any requirement, our experienced technical consultants are available for on-site discussions.

Typical recommended configurations:

A typical Fluoroglide® skidway plate comprises of 2.5mm Fluorinoid® PTFE hot pressure bonded to a 3mm carbon steel plate, with a 25mm welding lip for on-site tack welding to prevent damage to the PTFE.

All exposed metallic surfaces are primed to protect against corrosion.

The typical size of the Carbon Steel is 500mm x 2000mm and the PTFE is 450mm x 1950mm.





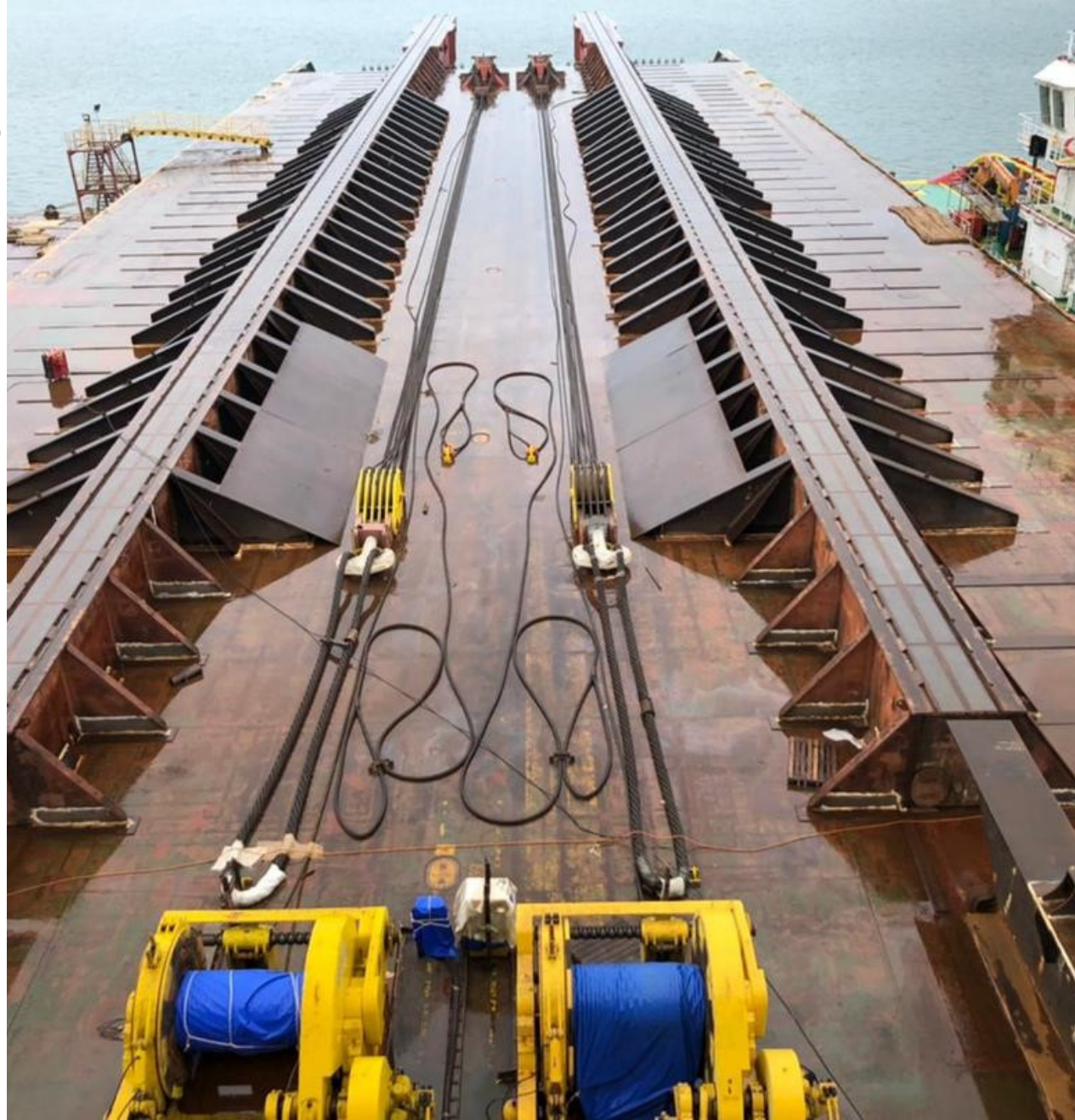
# Fluoroglide® FL914 Timber Skid Shoes

The range of Fluoroglide® Timber Skid Shoes are manufactured from Green Heart timber sourced from British Guyana.

The timber is graded to HS/D70 grade as defined in BS5756:2007 by suitable qualified graders with no wane permitted.

Typical properties for Fluoroglide® FL914 Green Heart Timber:

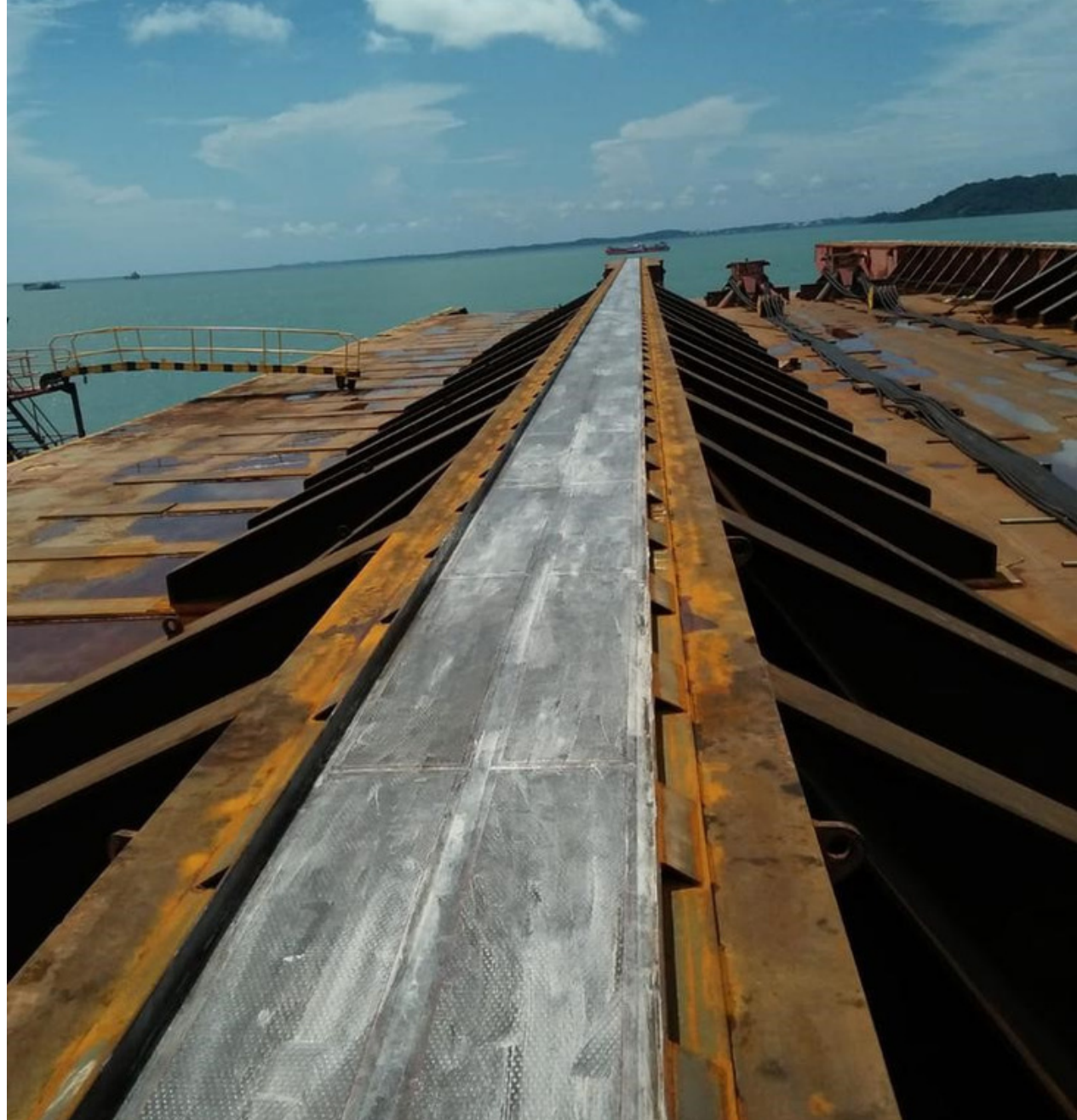
- Tension parallel to grain - 13.8 N/mm<sup>2</sup>
- Compression parallel to grain - 23.0 N/mm<sup>2</sup>
- Perpendicular to grain when fully supported - Min 10.6 N/mm<sup>2</sup>
- Average density - 1080
- Supplied preprepared timber for on-site assembly
- Assembled skid shoes



# Fluoroslip® FL414 Lubrication System

Fluorocarbon have a range of proven lubricating systems available:

- **FL414** Specially formulated liquid silicone system. Is used for the reduction of friction during load out of heavy structures. This lubrication system is stable with no changes to viscosity by environmental temperature fluctuations during the long construction period.
- **FL614** PTFE membrane system, positioned between the Fluoroglide® skidway plates and timber skid shoe.
- **FL916** Wax, spread onto the skidding surface of the timber skid shoe. The wax solidifies in the timber surface structure preventing the absorption of the FL414 during the construction period.



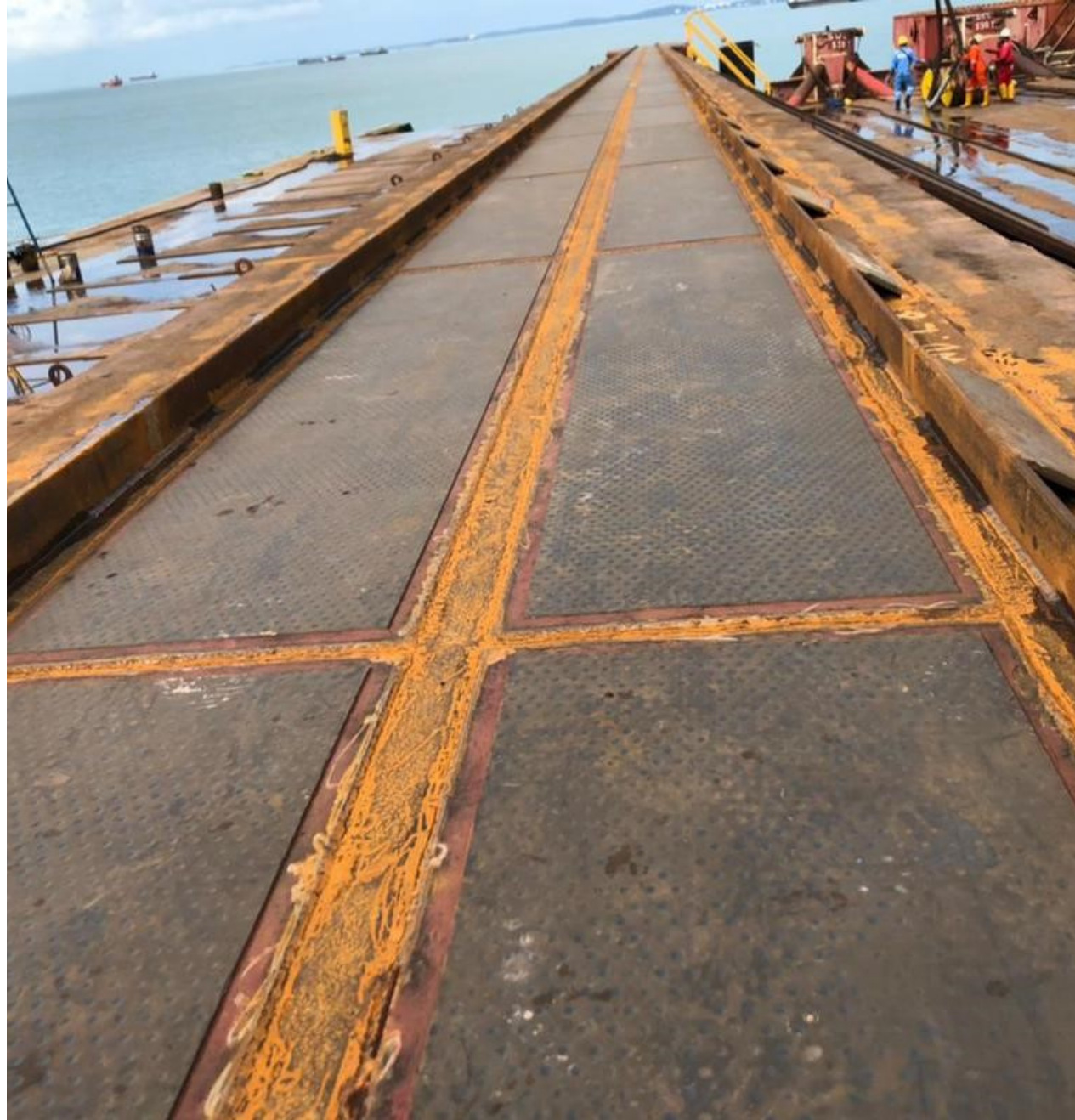


# FL614 Membrane System

FL614 is a PTFE membrane positioned between Fluoroglide® skidway plates and timber skid shoe.

It is generally specified for use when skidding heavy structures which have a long construction time.

The advantages are the prevention of the FL414 being absorbed by the Green Heart Timbers, the membrane is forced into the grain structure of the Green Heart Timbers which results in PTFE sliding against the lubricated (FL414) skidway plates.

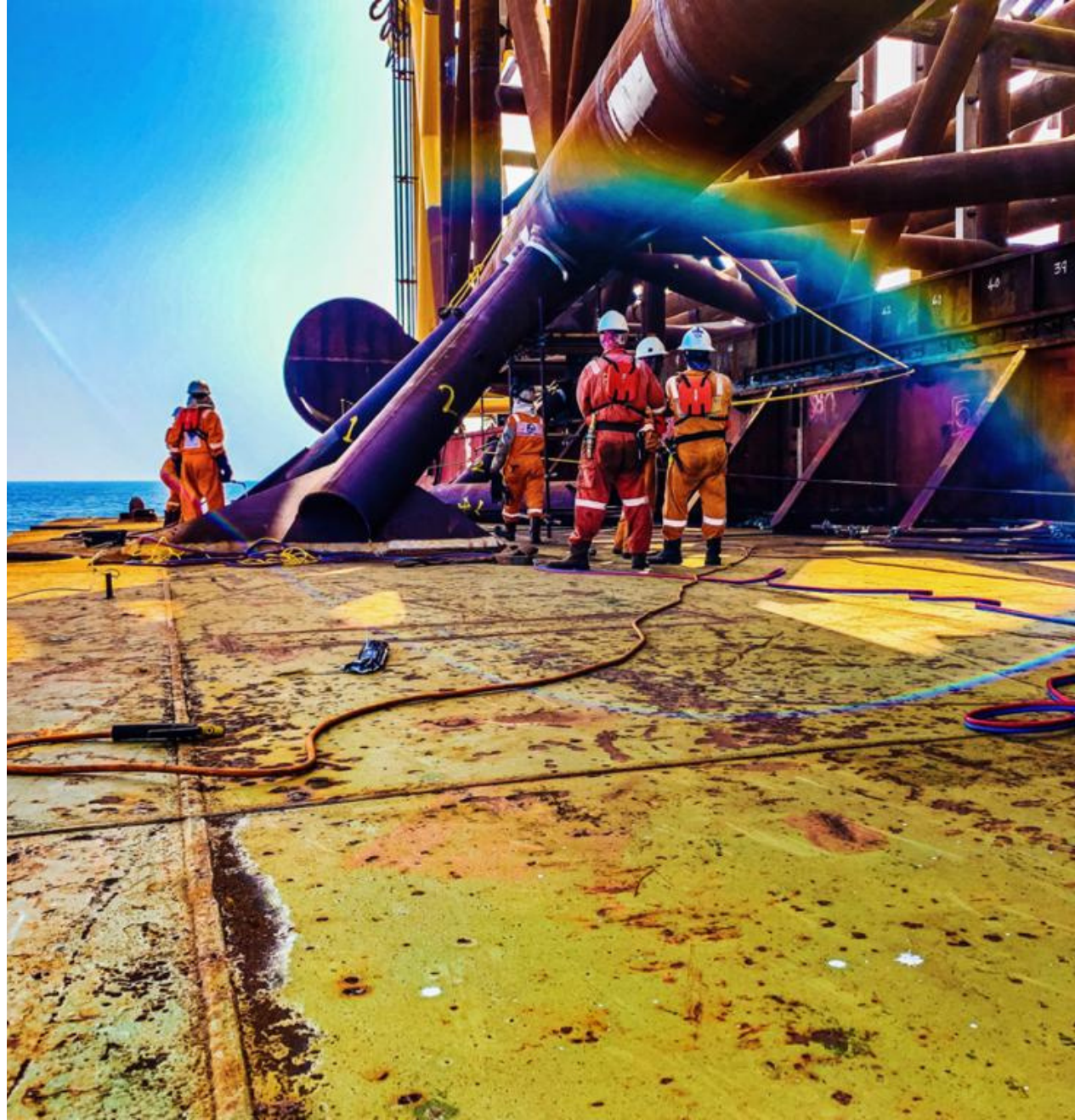




# On-Site Consultancy

To guarantee a successful load-out with low coefficient of friction it is essential to have a series of quality control checks in place at each stage of manufacture:

1. Fluorinoid Special grades of virgin and filled (reinforced) PTFE
2. Choice of protective corrosion resistant coating on exposed metallic surfaces
3. Daily pre-treatment of the metallic backing plate ready for controlled bonding
4. Choice of Epoxy bonding systems to suit environment, temperature etc
5. Choice of protective corrosion resistant metals and coatings





## WEBSITE

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# Work with us!

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