

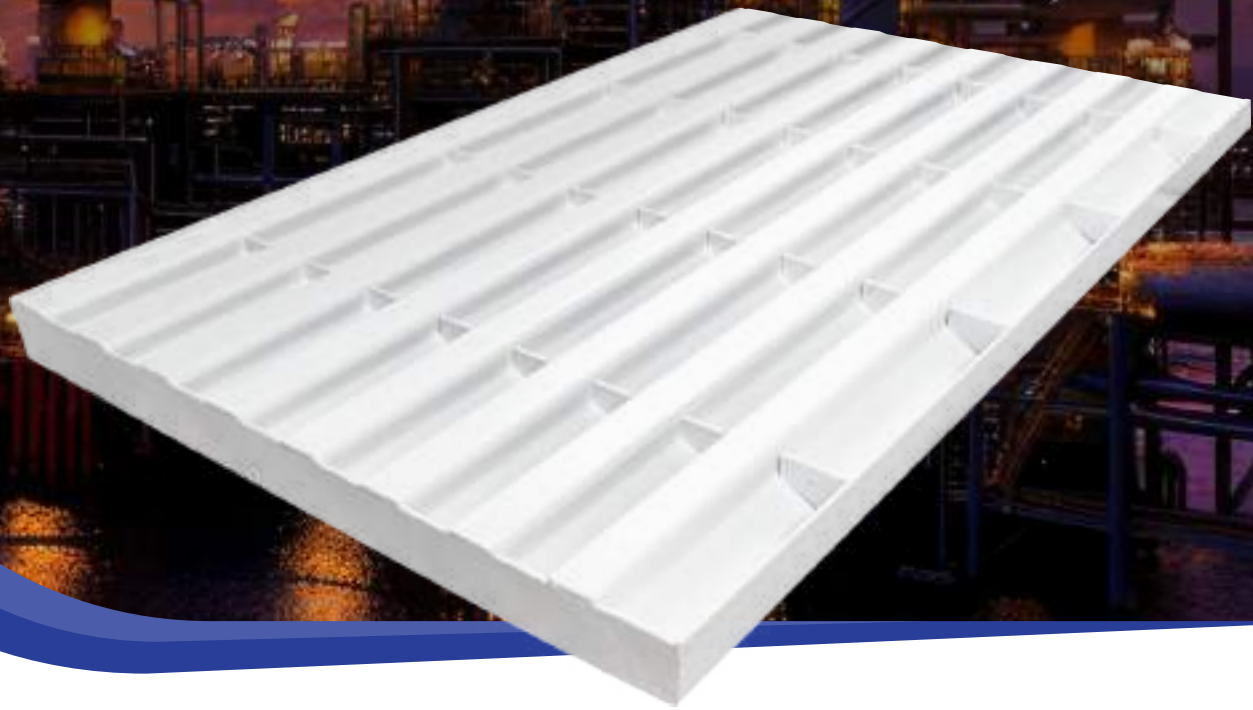


WEST-COAST ENGINEERING WORKS (P) LIMITED.

Manufacturers & Exporters
Since 1974

Safomer

Safe Walk on the Sea



Safomer Gratings for Offshore Platforms





Welcome to West-Coast Engineering Works Pvt. Ltd., where innovation meets excellence to create industry-leading solutions across diverse applications. Since 1974, our journey has been marked by engineering brilliance, delivering products that stand the test of time. With over 50 years of expertise, we go beyond being mere sellers—we are trusted consultants, partnering closely with clients to provide top-tier designs and cost-effective solutions. Our *Safome^x* grating, for example, reflects this commitment by offering a sense of security, acting as an invisible barrier between you and the powerful waves of the sea. At West-Coast, quality isn't just a standard—it's a promise.

Purpose

To be a leading MANUFACTURER & EXPORTER for the World Class Quality products mainly of Aluminium and Stainless Steel.

Mission

Passionate about achieving the highest standards of Quality, everything we do must be fair, honest, and transparent in our conduct.

Vision

West coast has a vision to be recognized as one of the most innovative enterprises working with the highest ethical standards.





Safe walk on the Sea

Safomer aluminium grating and developed by West Coast Engineering Works, ensures that every step you take feels secure—both physically and mentally.

Experience the thrill of the open sea without compromising your safety.

Engineered with precision, *Safomer* grating creates an invisible yet powerful barrier, protecting you from the relentless force of the waves.

Whether you're exploring offshore platforms, maritime decks, or adventurous boardwalks, it offers unmatched stability, so you can focus on the moment without fear.

With *Safomer* Grating, the sea becomes a Safe Walkway Platform, embracing every wave with confidence!

Benefits of *Safomer*

1. Enhances workers safety and comfort.
2. Reduces maintenance and downtime.
3. Boosts productivity and profitability.
4. A long-term, eco-friendly solution for platform owners.
5. Increases productivity.



Design Features of *Safomer*

Safomer is engineered to enhance safety and efficiency on offshore platforms:

★ Visual View Barrier

Its unique design creates a visual barrier for workers from the unsettling sight of crashing waves, reducing vertigo and sea sickness.

★ Slip-Free Surface

Keeps walkways dry and clean, minimizing slip hazards and ensuring a safer workspace. No fall & No accident.

★ Health Boost

By reducing discomfort, *Safomer* promotes better health and productivity among engineers.

★ Lightweight

One third the weight of MS gratings, *Safomer* aluminium grating lowers the structural load and cuts construction costs.

★ Long-Lasting

With a lifespan of 20-25 years, it far outlasts MS gratings, which need frequent replacement, boosting plant productivity.

★ Eco-Friendly

Safomer retains residual value after 25 years, unlike MS gratings, making it a greener, cost-effective choice.

Choose *Safomer* for a safer, cost-efficient, and sustainable offshore platform.



TECHNICAL DATA OF *Safomer*

1	Material of construction	AA6005 T6/ AA6082 T6 as per BS 1474
2	Surface treatment	To enhance corrosion resistance with 20-25 microns by anodizing process
3	Top working surface	Duly serrated for extra safe walk
4	Design load bearing capacity	750 kgs per sq.m (UDL)
5	Maximum span	1500mm
6	Permissible Tensile stress as per specifications	295MPa as per BS 1474
7	Permissible Deflection	1% span as per BSEN : 8118
8	International grating Design specifications (American)	NAAMM 531
9	International grating Design specifications (UK+ EUROPE)	BSEN 8118
10	Normal see through visibility of standard gratings	95% visibility
11	Safomer see through visibility (due to visual view barrier design)	5% visibility
12	Expected lifespan of Safomer	Minimum 20-25 years suitable for light saline atmosphere on mid sea



ADDITIONAL SAFETY PRODUCTS FOR OFFSHORE

Aluminium Handrail



CE

West Coast Engineering's Aluminium Handrail seamlessly integrates with our renowned Safomer Grating. It installed on offshore platforms, ensures safety and durability even in harsh environments. The system's modular design allows for quick assembly with Stainless Steel fasteners, requiring no welding or special tools on site.

Crafted from lightweight yet strong Aluminium Alloy, it offers maintenance-free performance for 2-3 decades. Its sleek design not only ensures functionality but also enhances aesthetic appeal, making it ideal for industrial and marine applications.

- ✔ Advanced Corrosion Protection
- ✔ Durable and Long-Lasting
- ✔ Height Customization
- ✔ Versatile Mounting Options
- ✔ Effortless Installation
- ✔ International Standards Compliance

- ⊗ Sewage/Water Treatment Plants
- ⊗ Offshore
- ⊗ Petrochemical Refineries
- ⊗ RCC Roof (Residential & Industrial)
- ⊗ Chemical Plants
- ⊗ Industrial Bridges

Material Grade : Aluminium AA6063, 6005, 6061, 6082 etc, SS, Mildsteel-HDG

Design Code : As per BS 1474 EN 516

Loading Criteria : 900 N

Aluminium Ladder with Safety Cage



CE

Our Aluminum Ladder with Safety Cage ensures safe and reliable access, while navigating offshore platforms. Is designed for durability & portability Built to OSHA standards, Aluminium Ladder requires no on-site welding and can be customized to meet specific load criteria. Its corrosion-resistant design ensures longevity, even in harsh environments, satisfying clients in demanding applications.

- ✔ Easy site installation
- ✔ No on-site welding required
- ✔ Customizable height and length
- ✔ High durability & oxidation resistance.
- ✔ High residual value
- ✔ Lightweight design

- ⊗ All Industrial buildings
- ⊗ Metro Station
- ⊗ Residential Building
- ⊗ Chemical Plants
- ⊗ Offshore
- ⊗ STP Plants

Material Grade : Aluminium AA6063, 6005, 6061, 6082 etc.

Design Code : As per BS 1474 EN 516

Loading Criteria : 500 kg point load on one rung.





Some of Our Delighted Clients





Contact Us

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