



LITEWALK® GRATING PANELS

LIGHTER • STRONGER • COST-SAVER • SAFER TO WALK ON

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LIGHT WEIGHT ANTI-SLIP GALVANIZED STEEL GRATING SYSTEM

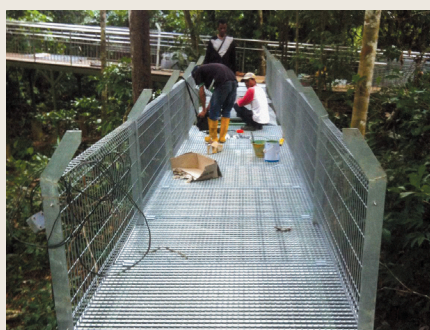
THE UNIQUENESS OF LITEWALK® GRATING LIES IN THE CREATIVE DESIGN OF THE LOAD BEARING BAR. THIS INNOVATIVE DESIGN HAS RESULTED IN MAKING LITEWALK® GRATING TO BECOME SIGNIFICANTLY LIGHTER IN WEIGHT. AND AMAZINGLY THE DESIGN HAS ALSO IMPROVED THE OVERALL INTEGRITY OF THE PANEL. LITEWALK® GRATING PANEL USES LESS AMOUNT OF RAW MATERIAL TO MANUFACTURE. HENCE, MAKING IT MORE COMPETITIVE. AND MORE IMPORTANTLY, THIS INNOVATIVE ANTI-SLIP DESIGN GIVES YOU A GOOD GRIP ON YOUR FOOT WHEN YOU STEP ON



OIL PLATFORM



INDUSTRIAL FACTORIES



WALK WAYS

SIRIM LOAD TEST TABLE

Industrial Standard / Method of test:

BS 4592: Part 1: 1995 Industrial type flooring walkways and stair treads Part 1.
Specification for aluminium and steel open bar gratings

TEST	TYPE OF TEST	SPECIFICATION	TEST RESULTS
1st Test	Concentrated Load Test - 1.0kN/m ²	Deflection 1/200 X Effective Span (4mm) or 10mm whichever is lesser	0.63mm
2nd Test	Uniformly Distributed Load Test - 5.0kN/m ²	Deflection 1/200 X Effective Span (4mm) or 10mm whichever is lesser	1.54mm

The test shows that LITEWALK® grating conforms to the industrial standard as required in the oil & gas industry



EASY INSTALLATION

WEIGHT ANALYSIS

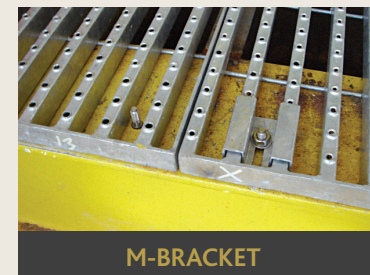
Common Grating

MODEL	WEIGHT kg/m ²
a) A255msu	33.3
b) A325msu	42.7
c) A355msu	46.7
d) A385msu	50.7

LITEWALK® Grating

MODEL	WEIGHT kg/m ²	LITEWALK® Grating is Lighter by
a) 35 x 15 x 1.5 x 30	22.3	a) 33%
b) 45 x 15 x 1.5 x 30	27.7	b) 35%
c) 50 x 15 x 1.5 x 30	30.3	c) 35%
d) 55 x 15 x 1.5 x 30	33.3	d) 34%

35% LIGHTER



M-BRACKET

The test shows that LITEWALK® grating is lighter by 33% to 35%

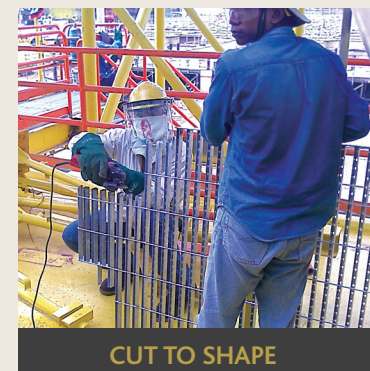
STRENGTH ANALYSIS

LITEWALK® Grating 35 x 15 x 1.5mm	Span L = 1300mm
UDL (kPA)	Deflection
1.2	1.5mm
1.9	2.0mm
2.5	2.5mm
3.2	3.0mm
3.8	3.5mm
4.4	4.0mm
5.1	4.5mm
5.6	5.0mm

Common Grating 25 x 5mm	Span L = 1300mm
UDL (kPA)	Deflection
1	1.0mm
2	2.0mm
3	3.0mm
4	4.0mm
5	5.0mm

LITEWALK® grating can take 12% more load than other common grating

12% STRONGER



CUT TO SHAPE

SAFER TO WALK ON!

LITEWALK® grating is the only grating panel in the world that is truly anti-slip. It is safer to walk on LITEWALK® panel than any other types of grating.

CUT TO ANY SHAPE

Worker who are used to installing and cutting common grating will be able to handle this LITEWALK® grating easily. LITEWALK® grating has the flexibility to be cut to any shape in our factory or at the work site.

INTENSIVE CORROSION TEST

ASTM G44 - 99 2005
After 1,000 cycles (about 42 days) of alternate immersion, hot dip galvanized LITEWALK® grating are found to be resistance to corrosion
- University of Malaya.

LITEWALK® 'M' BRACKETS

Specially designed 'M' bracket to suit LITEWALK® grating installation, 'M' bracket is used to hold the LITEWALK® grating panel onto the structural beam.

LITEWALK® 'J' CLAMP

The special designed 'J' Clamp can be used to fasten the LITEWALK® panel onto the structural beam.

MASTEK OIL TOOLS SDN BHD

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