



floor grating

Gratings are usually used as extremely durable metal industrial floors.

Common applications are in oilrig constructions.

Gratings come in 2 forms, namely Serrated Bearing Bar (flat) with Twisted Transverse Bar and Serrated Bearing Bar (flat) with Plain Round Bar.

Gratings have also the options of being galvanized for weatherproofing needs.

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PLAIN

In its standard form, grating is supplied with plain load bearing bars and 6mm square twisted cross rods.



PLAIN BAR

SERRATED

Serrated grating is available with most standard load bearing bars. The serrations are formed by placing a series of notches along the upper edge of the load bar, thus enhancing the non-slip characteristics of the grating. When serrated grating is required it must be nominated. Use should be made of the serrated conversion factors when determining load bearing and spanning capacity.



SERRATED BAR

TREATMENT

Galvanised - this finish ensures that the entire surface area is protected by a uniform layer of zinc and therefore is suitable for the majority of applications. Hot dip galvanising conforms to the following equivalent standards: AS1650, BS729 and ASTM A123. The minimum average coating required by these standards is 610gms/sq metre.

APPLICATIONS

Stairways, walkways, catwalks, pedestrian ramp, machine access platform etc.

PROCESS

Steel gratings are manufactured using a simultaneous application of heat and pressure on the load bar and cross bar at their intersection points, welding them together.

Panel Size ft	Serial Size inch	Mass kg/m ²	Pitch mm	Type
3' x 20'	1" x 3/16"	28.4	40 x 100	twisted/straight cross/round bar
	1 1/4" x 3/16"	35.4		
	1 1/2" x 3/16"	43.2		
	1 3/4" x 3/16"	---		
	2" x 3/16"	53		

*Singapore standard nominal size is 0.9m x 6.1m long (3' x 20')

*Specification: BS 4592 Part 1 1995, ASTM A36.....