

OPEN BAR STEEL FLOORING

We stock open bar steel flooring in the sizes shown below

For supply as

- Full 6m x 1m mats
- Cut to size for you to fabricate
- Fully fabricated to your drawings
- A number of other sizes can be supplied to order

We also supply

- Universal holding down clips
- Expanded Metal Walkways

Flooring can be supplied in a number of configurations:

Standard	Bearer bar spacing is 40 or 41mm with the transverse bars at 100mm
Narrow	Bearer bar spacing is 30 or 33mm with the transverse bars at 100mm
Square	Bearer bar spacing is 30 or 41mm with the transverse bars at 38 to 50mm

Load	Application
3kN/m ²	Access limited to one person
3kN/m ²	Two way pedestrian traffic
7.5kN/m ²	High density pedestrian traffic

The following are typical clear spans that will give a deflection of less than 10mm or 1/200th of the span as defined in BS 4592 and BS 5950 when subject to the uniformly distributed loads shown below. For critical applications please ask for the relevant technical sheet.

Bearer Bar	Weight shown in kg/m ²						Maximum Clear Span shown in millimetres					
				3kN/m ²			5kN/m ²			7.5kN/m ²		
	Narrow	Standard	Square	Narrow	Standard	Square	Narrow	Standard	Square	Narrow	Standard	Square
20 x 3	-	15.0	-	-	1090	-	-	920	-	-	800	-
25 x 3	20.5	17.5	20.0	1675	1565	1600	1335	1212	1305	1090	989	1054
25 x 5	33.4	28.5	33.0	2000	1707	1970	1598	1322	1570	1330	1080	1320
30 x 3	24.0	20.6	23.6	2069	1878	2000	1602	1454	1580	1308	1187	1295
30 x 5	39.5	33.6	38.8	2410	2049	2390	1963	1587	1950	1602	1296	1580
35 x 3	-	29.7	-	-	1900	-	-	1600	-	-	1400	-
35 x 5	-	39.0	-	-	2190	-	-	1900	-	-	1675	-
40 x 3	-	26.7	-	-	2504	-	-	1939	-	-	1582	-
40 x 5	-	43.6	-	-	2732	-	-	2116	-	-	1728	-