

## General Use, based on BS 5268.

Designed to BS 5268

Section Original Size	Section Finished Size		C16		C24	
			Multiple		Single	Multiple
32 x 125	28x120	Castellated	240		290	350
32 x 125	28x120	Smooth	300		350	430
32 x 150	28x145	Castellated	290		340	410
32 x 150	28x145	Smooth	370		440	530
38 x 125	34x120	Castellated	380		450	540
38 x 125	34x120	Smooth	450		530	640
38 x 150	34x145	Castellated	450		530	640
38 x 150	34x145	Smooth	550		640	750
50 x 150	46x145	Castellated	890		880	980
50 x 150	46x145	Smooth	950		920	1020
75 x 150	68x145	Castellated	1320		1320	1470
75 x 150	68x145	Smooth	1410		1360	1520

## General Use and Light Access Walkways, based on Eurocodes 1 and 5.

General use (A1) and Light Duty Access walkways (C36)

5 kN/m<sup>2</sup> & 2.0 kN & Creep

Section Original size	Section Finished size		C16		C24	
			Single	Multiple	Single	Multiple
32 x 125	28x120	Castellated	N/A	N/A	267	329
32 x 125	28x120	Smooth	N/A	N/A	325	400
32 x 150	28x145	Castellated	N/A	N/A	334	411
32 x 150	28x145	Smooth	252	311	378	466
38 x 125	34x120	Castellated	274	337	411	505
38 x 125	34x120	Smooth	297	365	445	548
38 x 150	34x145	Castellated	340	419	510	570
38 x 150	34x145	Smooth	377	465	525	585
50 x 150	46x145	Castellated	627	698	701	781
50 x 150	46x145	Smooth	645	718	721	804
75 x 150	68x145	Castellated	936	1043	1046	1166
75 x 150	68x145	Smooth	955	1064	1066	1190

## Balconies, based on Eurocodes 1 & 5

Balcony use A5, A6 & A7

5 kN/m<sup>2</sup> & 2.0 kN & Creep

Section Original size	Section Finished size		C16		C24	
			Single	Multiple	Single	Multiple
32 x 125	28x120	Castellated	N/A	N/A	267	329
32 x 125	28x120	Smooth	N/A	N/A	325	400
32 x 150	28x145	Castellated	N/A	N/A	334	411
32 x 150	28x145	Smooth	252	311	378	466
38 x 125	34x120	Castellated	274	337	411	505
38 x 125	34x120	Smooth	297	365	445	548
38 x 150	34x145	Castellated	340	419	510	570
38 x 150	34x145	Smooth	377	465	525	585
50 x 150	46x145	Castellated	627	698	701	781
50 x 150	46x145	Smooth	645	718	721	804
75 x 150	68x145	Castellated	936	1043	1046	1166
75 x 150	68x145	Smooth	955	1064	1066	1190

## Restaurants and Dining Areas, based on Eurocodes 1 and 5.

Restaurants and Dining areas (C11) the concentrated load is increased to 3.0Kn

5 kN/m<sup>2</sup> & 3.0 kN & Creep

Section Original Size	Section Finished Size		C16		C24	
			Single	Multiple	Single	Multiple
38 x 150	34x145	Castellated	N/A	340	N/A	419
38 x 150	34x145	Smooth	N/A	378	N/A	465
50 x 150	46x145	Castellated	424	522	608	677
50 x 150	46x145	Smooth	475	585	626	697
75 x 150	68x145	Castellated	811	902	909	1012
75 x 150	68x145	Smooth	828	921	927	1032

## Medium duty Walkways and Shopping Areas, based on Eurocodes 1 and 5.

Medium duty walkways (C37) and shopping Areas (D1 and D2) the concentrated load is increased to 3.6Kn

5 kN/m<sup>2</sup> & 3.6 kN & Creep

Section	Section Finished Size		C16		C24	
			Single	Double	Single	Double
50 x 150	46x145	Castellated	N/A	N/A	530	634
50 x 150	46x145	Smooth	N/A	N/A	587	653
75 x 150	68x145	Castellated	747	845	852	948
75 x 150	68x145	Smooth	775	862	869	967

