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Since 1901



Mezzanines
Increase Floor Space

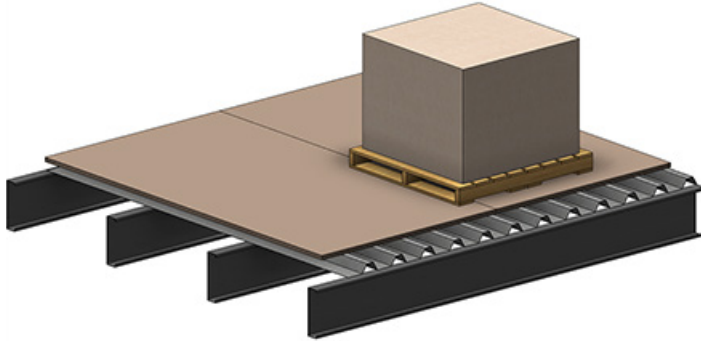
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UNIFORMLY DISTRIBUTED LOAD

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Description

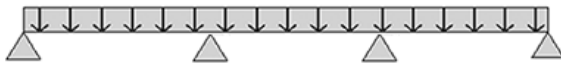
Many factors contribute to the loads that affect the capacity requirements of your mezzanine. It is important to take these loads into consideration when approaching the mezzanine design.



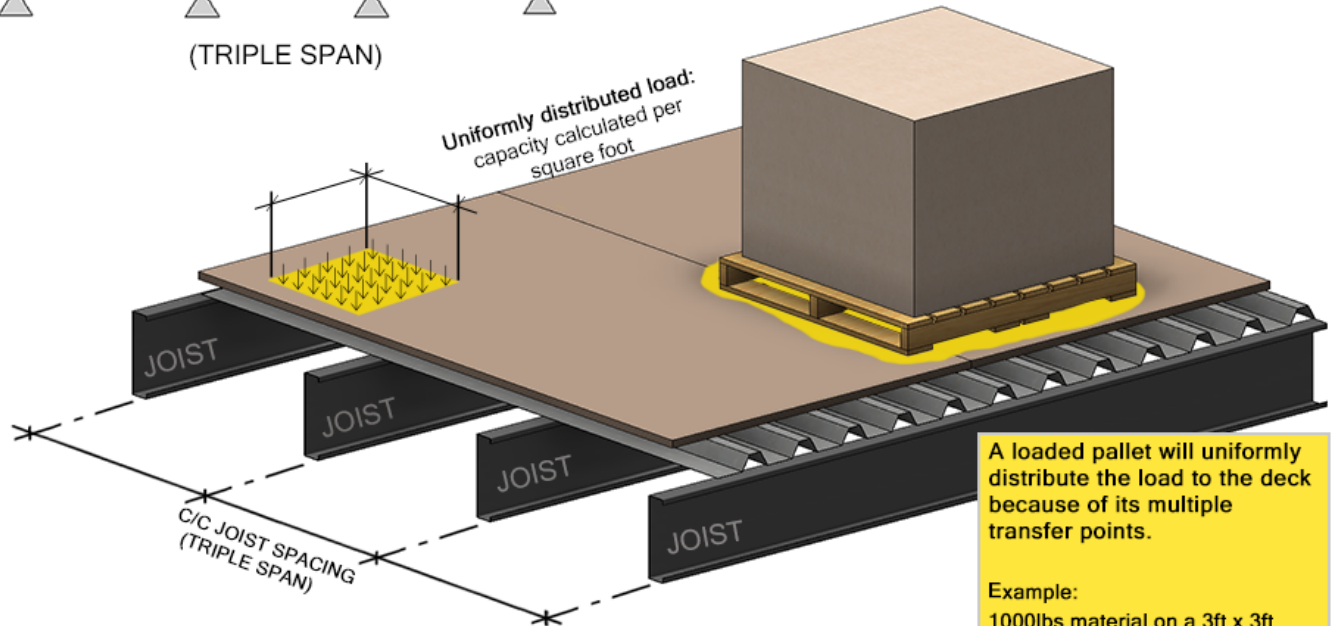
LOAD INFORMATION

UNIFORMLY DISTRIBUTED LOAD (UDL)

Weight / Sq. Ft.



(TRIPLE SPAN)



A loaded pallet will uniformly distribute the load to the deck because of its multiple transfer points.

Example:
1000lbs material on a 3ft x 3ft
pallet = 111 PSF



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**UNIFORMLY
DISTRIBUTED LOAD**

LOAD INFORMATION

TABLE BELOW SHOWS THE MAXIMUM CAPACITY APPROVED WHEN THE DECK IS USED IN A TRIPLE SPAN.

Decking Gauge & Overlay	C/C Joist Spacing (inch)	24	26	28	30	32	34	36	38	40	42	44	46	48
	22ga + Resin Board		200	200	200	150	150	150	150	150	150	150	150	150
20ga + Resin Board		300	300	300	250	250	250	250	250	250	175	175	175	175
18ga + Resin Board		500	475	475	475	475	475	375	375	350	325	300	TBD	TBD
Bar Grating (1/8" x 1")		350	300	300	300	250	250	200	200	175	150	135	125	125
OSP 18ga		175	175	175	175	175	175	150	150	150	150	125	125	125

TABLE BELOW SHOWS THE MAXIMUM CAPACITY APPROVED WHEN THE DECK IS USED IN A TRIPLE SPAN.

Decking Gauge & Overlay	C/C Joist Spacing (inch)	36	42	48	54	60
	12ga Interlocking/Finish Planking (6" width)		1400	1050	805	640
12ga Interlocking/Finish Planking (9" width)		960	705	540	425	340
12ga Interlocking/Finish Planking (12" width)		670	475	353	270	205
14ga Interlocking/Finish Planking (6" width)		910	665	505	400	320
14ga Interlocking/Finish Planking (9" width)		605	445	340	265	200
14ga Interlocking/Finish Planking (12" width)		Light-duty / foot traffic				

PLEASE CONTACT COGAN FOR FURTHER INFORMATION