

How to create a beMatrix ceiling





Intro

Purpose of this leaflet

This document contains information on how to create multiple spans using the beMatrix $\ensuremath{^{\circledast}}$ System.

beMatrix $^{\circ}$ conducted various strength tests that consisted of placing 22 lbs. (10 kg) per frame. If a span bent more than 0.79" (30 mm) the test failed.

Note: You are responsible for the stability of your structures. If you have any doubts contact our technical department.









INDEX

Summary of the sections that will be covered

Chapter 1	Construction conditions
Chapter 2	Connecting horizontal frames to vertical frames
Chapter 3	Canopies
Chapter 4	Structure spans
Chapter 5	Corner ceilings
Chapter 6	References
Chapter 7	Elaborated cases

Chapter 1

Construction conditions

When building a structure that includes a ceiling, making sure the walls are straight and sturdy is very important.

Below, a number of ways to guarantee stability are illustrated.



Vertical walls incorporated in a larger structure

The most stable method is for the vertical wall to be an integral part of a larger structure with a considerable unladen weight.



Vertical walls supported by return frames

Placing a frame perpendicular on a wall enables you to reinforce that wall.

Note: Return frames should be 19.53" (496 mm) to 39.06" (992 mm) wide for gauranteed stability.

Vertical walls supported by baseplates

A baseplate can also make a frame more stable.

However, this option is not as sturdy as option 1 or 2.









1. Ceiling Connectors





6. Steel Covers Curved 2R [R0496]





























© Symbiosis (UK)





© Imagine Events (UK)





Chapter 4

1. 1m x 3.5m (39.06" x 137.8") Maximum Structure Span



















Chapter 4

References of structure spans





© Harry the Hirer (AU)



© Laarhoven Design (NL)



© Ontwerpbureau Jan (BE)





















© Inkla Plus (SI)





© Conceptexpo (BE)















beMatrix THE RENTAL SOLUTION

beMatrix USA

4385 International Blvd. Norcross, GA 30093 T. +770 225 0552 F. +770 717 0317 www.bematrix.us