



Is your Wire Decking compliant?

ANSI MH26.2-2007 is the internationally recognised standard for the design, testing and utilisation of welded wire rack decking. The following example explains how to correctly calculate a Uniformly Distributed Load (UDL) rating to comply with the standard.

To compare two designs for 1100mm deep wire decking, calculate the following:

Measure	Design A	Design B	Details
Allowable Deflection	6.67mm	6.67mm	The maximum Allowable Deflection is calculated as: rack depth (mm) ÷ 165.
Load at Allowable Deflection	850Kg	1100kg	The load, independent of the rack beams, at which the maximum Allowable Deflection is reached.
Load at structural failure	2100Kg	2000Kg	The load, independent of the rack beams, at which structural failure occurs.
Maximum Capacity	1050Kg	1000Kg	The Maximum Capacity is calculated as: the load at structural failure ÷ 2.
Uniformly Distributed Load (UDL) rating	850Kg	1000kg	The UDL rating is the lesser value of Maximum Capacity or load at Allowable Deflection

When purchasing wire decking to comply with ANSI MH26.2-2007, you should consider:

- > At what load, independent of the rack beams, is allowable deflection reached?
- > At what load, independent of the rack beams, does structural failure occur?

With these measures, you can calculate a compliant Uniformly Distributed Load (UDL).

Knowledge of a compliant UDL for wire decking will deliver confidence in safety and performance.

Is it compliant?

MantaMESH® wire decking is engineered, designed and tested to comply with ANSI MH26.2 - 2007

The superior choice

For peace of mind, for quality and compliance, insist on genuine MantaMESH with the Orange Tag