



The UK's No. 1 manufacturer of mezzanine floors

davicon
mezzanine floors

YOUR PLATFORM FOR FUTURE GROWTH

Case Study

Burton-Upon-Trent Project for a High Street Pharmacy

One of the UK's leading pharmacy-led health and beauty retailers needed to automate its new warehouse. Davicon was asked to provide a multi-level mezzanine floor to suite the automated handling equipment provided by the warehouse integrator.

Double boarded to ensure high loading capability [could have a scissor lift driven on it!] and high loaded OSR on top

Platform Size	: Level 1 ~ 93.6m x 64.6m (approx 6050m ² in plan) Level 2 ~ 32m x 16m (approx 505m ² in plan) (offices)
Height	: Level 1 ~ +6.3m to top of floor from ground floor Level 2 ~ +11.8m to top of floor from ground floor
Construction Depth	: 838mm
Decking	: 38mm PB P6 TG2. (Double layered 76mm)
Loads	: Up to 14kN/m ²
Axial Loads	: The maximum axial load 1300kN (unfactored)
Deflection	: Individual beams located directly under the OSR rack designed with a maximum deflection of 4mm, imposed only, over the width of each rack (approximately 2250mm). All other individual steel members have been designed with a maximum deflection of L/200. All columns L/150.
Staircases	: 5 No. 6.3m high access stairs, each comprise of 3 flights, 3m high, with 2 intermediate 1/2 landings and a top landing.
Handrail	: 412 linear metres to the low level and 'Office'
Pallet Gates	: 8 No. Standard gates Ajax type 05.

