



Dnata Manchester

Client:

Dnata

Specialist Contractor:

William Lea Ltd

Products Used:

Conifloor Epoxy Resin Systems

Contact:

NCC Resin Flooring

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www.resinflooringsite.co.uk

Case Study

Dnata is one of the world's largest air services providers and has recently also enhanced their UK cargo capabilities and capacities, by opening a state-of-the-art cargo centre in Manchester, which is equipped with the latest technologies and complies with the highest industry standards for safe handling of a broad range of cargo, including pharmaceutical and medical supplies.

The Architects for this new and purpose-built, 9,600m² facility for the North West Region and Manchester Airport, demanded a durable, yet cost-effective floor finish. This also had to be moisture tolerant for fast-track application to minimise waiting times for the new concrete slabs, plus it then had to be permanently vapour-permeable, to eliminate any possibility of subsequent osmotic-blistering and failure in service. The final requirement was for the defined surface slip and skid resistance to be 'Low Slip Potential', as tested by the Pendulum Test (BS 7976-2:2002+A1:2013), under both dry and wet conditions. The results obtained are given as 'pendulum test values' (PTV's) and the specified requirement was for a minimum test value of 36 PTV's.

These stringent requirements were all met by using Conifloor 500 CW, a water-dispersed epoxy system, with graded Ballotini beads (hardened industrial glass) added to the top coating. The results from the pendulum test confirmed that this system surpassed the slip resistance rating stipulated, and by some way, plus due to the rounded nature of the profile, the floor is much easier to clean and maintain a good appearance.

