

**Project:**  
Royal Mail Sorting Office

**Location:**  
London

**Owner/s:**  
Royal Mail Group Ltd

**Applicator/Contractor:**  
Polydeck

**Designer/Architect/Specifier:**  
Boyes Rees

**Market sector:**  
Commercial Flooring

**Products used:**  
MasterTop 1324  
MasterTop 524  
PCI Novament Z3

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## Mount Pleasant Sorting Office, London

Seamless, flexible, flooring solution using buried/induced crack details



Our reference in London (United Kingdom): Mount Pleasant Sorting Office

### The background

The Royal Mail sorting office at Mount Pleasant dates back to 1885, with a major rebuild in 1934. At one stage it was the world's largest mail sorting office.

Following a £32m investment a full refurbishment and modernisation program commenced with a reconfiguration of the layout, intelligent sorting machinery purchased and installation of new flooring.

### The challenge

Due to poor condition of the current floor over 14,000m<sup>2</sup> of sorting room floor was removed. The structure had a lot of movement issues in the previous floor causing a lot of cracking.

Due to these movement issues a new screed would need to be installed to make the substructure right again, along with a seamless flexible flooring solution which can withstand heavy traffic with over 45,000 items per hour being processed.

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## Our solution

A fibre reinforced screed (PCI Novament Z3) was used to rebuild the sub-floor with our MasterTop 524 pump screed to create a smooth and level floor.

A buried joint detail was added off each face of the columns to create a seamless floor. MasterTop 1324 was installed with a glass micro-bead to create the required non-slip finish. To provide the semi-gloss finish 3 coats of a metalised emulsion polish was used. The main sorting floor was over 10,000m<sup>2</sup> with only a single mechanical joint.

MasterTop 1324 is a tough scratch resistant seamless floor without joints or welds even around columns and over large open areas. Whilst being robust enough for heavy duty traffic areas, the fully light stable topcoat enables light colours to be used with confidence in bright commercial and retail environments.

## Benefits to the customer

- Seamless, flexible smooth flooring solution
- Low maintenance, easy to clean due to no visible joints construction.
- Meets strict Health & Safety requirements
- Over 10,000m<sup>2</sup> floor with only a single mechanical joint.

## Projects facts at a glance

- Over 14,000m<sup>2</sup> of MasterTop 1334 in total over two levels
- Seamless floor without joints or welds, even around columns and over large open areas
- Main sorting floor where 10,000m<sup>2</sup> was installed used buried/induced crack details with only a single mechanical joint.
- The other floor area was over 4,000m<sup>2</sup> with no visible joints
- Slip and impact resistant
- Low maintenance, easy to clean
- Solution was so successful it was used on subsequent refurbishment phases

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Further information is available at:

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