

Instarmac Group Plc is an award winning UK market leader in the formulation, manufacturer and supply of cement, resin and bitumen based products

## Southampton Freight Terminal



**CONTRACTOR:** DP World Southampton  
**SITE:** Southampton Freight Terminal  
**PROJECT:** Ironwork Reinstatement  
**MATERIALS USED:** PY4, QC10F

## Southampton Freight Terminal

### Problem:

DP World Southampton is the UK's second largest container terminal, and one of busiest and most successful sea water ports, spanning approximately 250 acres.

The container handling terminal is a straddle carrier operation which includes container handling cranes weighing up to 60 tonnes, carrying loads of up to 40 tonnes. Around 2000 lorries pass through daily with 75% of the traffic using the same gates and traffic lanes.

The terminal was suffering from failed ironwork chambers across the site - a symptom of the heavy straddle carriers travelling across them daily.

### Action:

Greg and Nick, from Ultracrete sales and on-site support teams, visited DP World and met with their Senior Engineer, Gideon Aymes to discuss their on-site problems.

Both Ultracrete PY4 and QC10 F were recommended and trialed in the area to reinstate the failed chambers. PY4 is a 2-part fast setting resin mortar with a proven track record across many applications, and is particularly suitable for rapid manhole frame installation, as well as gully grates, kerbs and street furniture in heavily trafficked areas.

PY4 has been independently tested for its own performance and forms part of Ultracrete renowned HAPAS Approved Ironwork Reinstatement System (certified by the BBA).

Ultracrete QC10 F, a flowable high strength concrete, is a 2-part rapid strength fast set concrete designed for carriageway ironwork backfill, thick section concrete repairs, haunching reinstatements, and post and barrier erection.

### Results:

A successful demonstration has led to all future repairs at DP World being completed using Ultracrete's high strength products. Gideon commented, "Ultracrete products have been successfully used for rapid repairs to inspection cover bedding and surrounds, and spot repairs in block paved and concrete pavement in both HGV and straddle operational areas. With this system we have the confidence that any vehicle can travel across it without any problems.

### MATERIALS USED

PY4



QC10 F

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