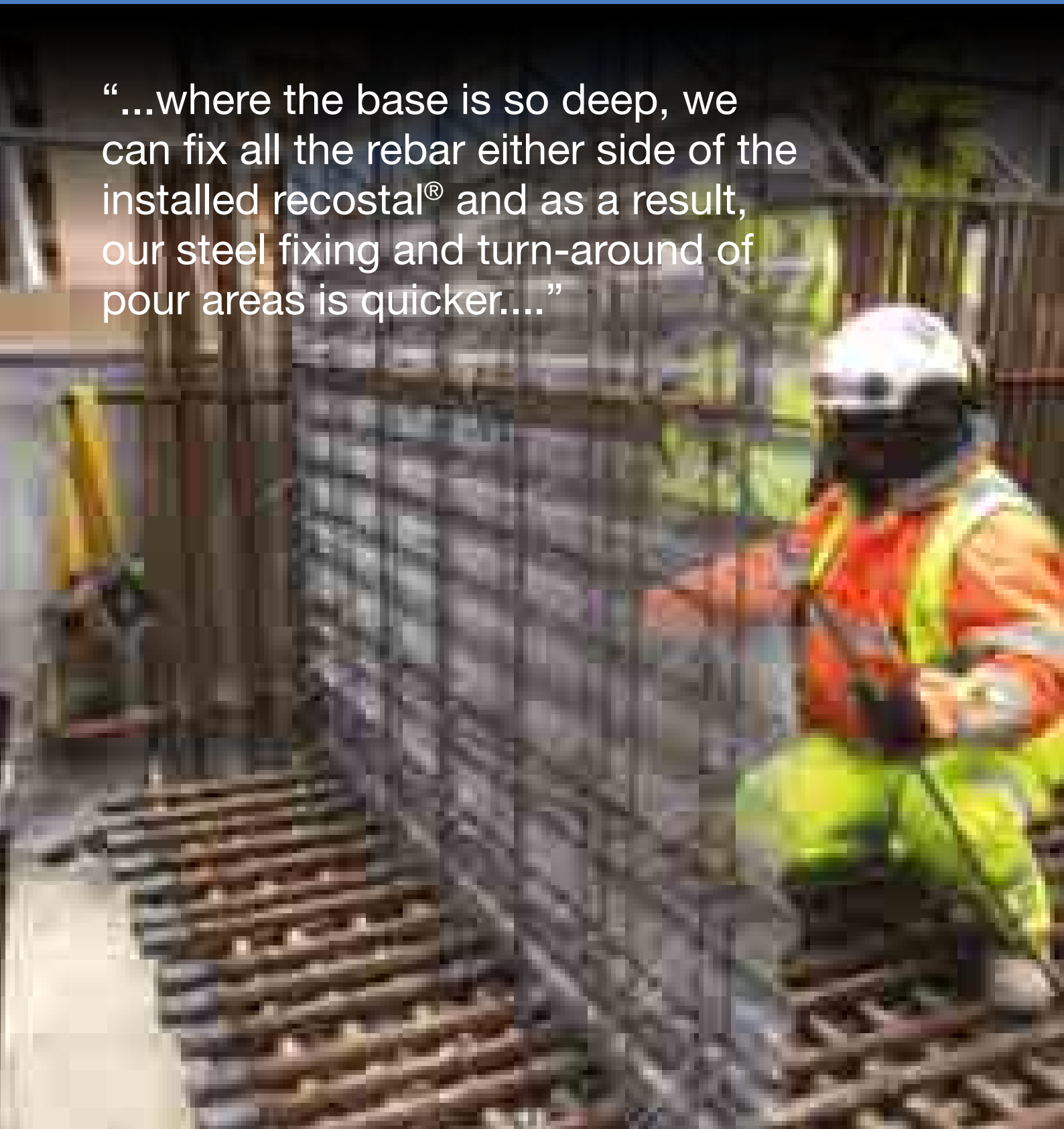


Case Study

recostal[®] opens up the Can of Ham work flow

“...where the base is so deep, we can fix all the rebar either side of the installed recostal[®] and as a result, our steel fixing and turn-around of pour areas is quicker....”



Project: 70 St Mary Axe, London
Location: City of London
Contractor: Mace
Sub-contractor: AJ Morrisroe & Sons Ltd
Product: recostal® 2000GTZ
Due for completion: 2018

The background

70 St. Mary Axe, which also goes by the unofficial architectural moniker 'Can of Ham' is a new office development with a distinctive, identifiable profile, that soars elegantly from the surrounding historic streets of the City of London.

The challenge

With a base slab of 2175mm deep with five layers of 40mm rebar on the bottom, to have installed a traditional stop end and the temporary works required to support this would not have been practical or cost effective.

The solution

Inform UK provided on-site technical support as well as initial design drawings.

95 linear metres of recostal® 2000GTZ at a height of 1780mm was specified as the preferred shuttering to fit perfectly between top and bottom mats.



How it works

recostal® 2000GTZ goes in once and stays in as a permanent stop-end/CJ, avoiding the need for any temporary works.

Owing to its trapezoidal profile the contractor did not have to apply any retarder, jet washing or scabbling of the surface of the joint. This avoided contamination of the rebar mats.

The rebar configuration, diameter, centres and the fact that it was all coupled prevented the reinforcement being displaced.

The result

The contractor saw immediate benefit to programme delivery.

A cost comparison

The following is a testimonial from the sub-contractor, AJ Morrisroe, regarding the decision to specify a permanent formwork solution rather than a traditional method.

"We compared the use of the recostal® versus the traditional method under the following criteria:

1. A temporary works design cost.
2. The cost of plywood and timber.
3. Installing strong backs, push pulls etc. and then striking.
4. Labour to install a significant temporary works stop-end at a height of 2175m.
5. Carpentry to prepare and install ply combs to deal with potential leakage in the rebar layers.
6. Labour to remove the stop end in general.
7. Cost of retarder on the surface.
8. Cost of labour to treat the stop-end by scabbling or jet washing.

All of these activities became easier or unnecessary by using the recostal®. Of particular note was the quality of the Euro Code 2 joint and the absence of any need to scabble the joint and associated 'white finger' risks.

Find out more...

INFORM (UK) Ltd.
Industrial Park, Ely Road, Waterbeach, Cambridge CB25 9PG
Tel +44 (0)1223 62330 **Fax** +44 (0)1223 440246
Email info@informuk.co.uk www.informuk.co.uk

