



## Building envelope case study

### Crown Crest Distribution Centre, Kirby Muxloe, Leicestershire

Client: Crown Crest (Leicester) plc

Main contractor: Hallam Contracts of Leicester

Architect: Pick Everard

Installer: Cladceil Limited

System manufacturer: Tata Steel

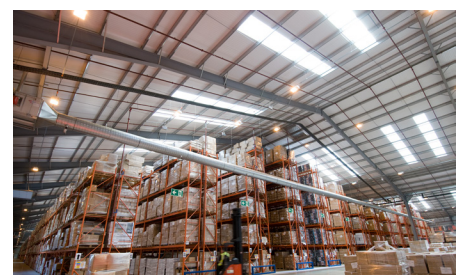
Cladding system: Trisomet® 333 System

Colorcoat® product: Colorcoat HPS200 Ultra®

**Crown Crest's new 470,000 sq. ft. distribution centre in Kirby Muxloe, Leicestershire has been built to support the expansion of its nationwide Poundstretcher discount store chain.**

The £36 million investment replaces smaller units in Leicestershire and Nottinghamshire and will create 100 new jobs.

The project features 50,000m<sup>2</sup> of Tata Steel Trisomet® 333 System insulated roof and wall panels in Colorcoat HPS200 Ultra®.





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Crown Crest currently runs more than 375 stores, with ambitious plans to open dozens more outlets in the near future.

Beginning life as a cash and carry business, Crown Crest now has an annual turnover of over £400 million and employs over 5000 people in its combined businesses.



The Leicester-based company acquired the 36-acre Kirby Muxloe site in 2008. It was the location of the TI Tubes manufacturing plant and was last occupied by Timken Steel. They have been working with the long established Leicester based construction company Hallam Contracts for a number of years now and selected them for this significant project because of their proven ability to deliver to a tight programme and within exacting financial constraints.

The building envelope was installed by leading East Midlands-based contractor Cladceil Limited.

The roof features 80mm thickness Tata Steel Trisomet® 333 System insulated panels in Colorcoat HPS200 Ultra® Olive Green finish.

The walls have been constructed from 60mm thickness Trisomet® 333 System in Colorcoat HPS200 Ultra® Goosewing Grey.

Cladceil Director Tony Seabridge said: "This was one of the biggest contracts we've ever undertaken and we were delighted to win it.

"The 14 degree roof pitch presented some access challenges, so we devised a flatbed trolley with a mechanical winch to safely position Trisomet® panels at critical areas"

Trisomet® 333 System insulated panels are available in a wide range of Colorcoat® finishes and can be produced in lengths up to 20 metres, significantly contributing to installation speed and site waste reduction. This is all achieved without any compromise.

Trisomet® 333 System provides optimised water drainage, strength and durability. Its autohesively-bonded polyisocyanurate (PIR) shallow insulation core uses the latest foam technology, providing exceptional thermal performance.

The system is manufactured in North Wales on one of Europe's longest, most efficient and sustainable insulated panel production lines. It's sited adjacent to the Colorcoat® line, for impressive embodied energy savings and a reduced carbon footprint through a variety of measures, including waste steam generation and recyclable packaging.

With LPCB LPS1181 approval, reducing client insurance premiums and offering appropriate reaction to fire performance, Trisomet® 333 System is also backed by the unique, free Platinum® System Guarantee. This covers material performance for 25 years, including a 12-year workmanship guarantee.

Backed by a Confidex® guarantee and available in 40 standard colours, Colorcoat HPS200 Ultra® combines outstanding performance with unrivalled reliability and impressive sustainability credentials.

Made in the UK to BES 6001 for Responsible Sourcing, Colorcoat HPS200 Ultra® pre-finished steel is designed to withstand even the most demanding and aggressive environments, both external and internal, meeting the requirements of Ruv4 and RC5 as per EN 10169:2010 proving outstanding colour retention and corrosion resistance for the whole colour range.



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