

SAFETY AND SUSTAINABILITY TAKE OFF FOR CROWN PAINTS AT HEATHROW



Safety and sustainability helped Crown Paints play a part in a major multi-billion pound project at Heathrow Airport. The manufacturer was chosen to supply its flame-retardant paint, Crown Trade Timonox, for use in the new Terminal 2B at Heathrow Airport.

Representing a £2bn investment, Terminal 2B is the largest airside project Heathrow Airport has ever undertaken.

The specification was supported by Crown Paints' pioneering carbon footprint reporting service, used throughout the project.

Heathrow's Terminal 2B has been constructed by Balfour Beatty and sets a benchmark in sustainability as the world's first Building Research Establishment Environmental Assessment Method (BREEAM) certified airport terminal.

Balfour Beatty consulted with suppliers, including Crown Paints, to ensure complete sustainability throughout the project, something which was aided by Crown Paints' carbon footprint reporting process.

The environmental team from Balfour Beatty gathered information about materials on site, to feed into their own Sustainability Action Plan. KPIs were measured in areas including energy and water usage and materials.

With Crown Paints having the 'tried and tested' information available about its products, from raw materials through to transport, Balfour Beatty was able to use best practice methodology in accordance with PAS2050.

Mohamed El Shazly, Balfour Beatty's environmental advisor to the Heathrow T2B project, said: "Crown Paints knows the process that the paints have been through from raw materials through to transportation and their carbon footprint reporting has really helped us.

"I found the service from Crown Paints to be really helpful and they were very forthcoming with the information."

Crown Trade Timonox was specified for the project by architect firm Grimshaw, with 5,000 litres applied by H&S Decorating Specialists.

Paint was applied across a large swathe of the terminal – including storage plant rooms, arrivals, departures, the apron and through to the basement.

Crown Paints are driving a carbon revolution across the company to meet an ambitious carbon reduction target of 10% for 2015 and 25% by 2020, through its Earthbalance® programme.

Key to Crown's success is its work to carbon footprint all Crown Paints' products, which started in 2010, when the manufacturer launched its pioneering Carbon Portfolio Footprinting process.

CASE STUDY



Representing significant investment and deployment of resources, the process places Crown as the only coatings manufacturer in the UK to have calculated the footprint of every one of its products. Very few companies in the UK and even Europe have this level of knowledge across their product range.

Debbie Orr, Marketing Manager at Crown Paints, said: "We offer bespoke specifications for our range of Timonox systems and products because we understand that projects such as T2B, which will cater for millions of passengers a year, have a range of requirements which the products must fulfil.

"We are delighted our carbon footprint reporting, as part of our commitment to sustainability, sets us apart from the competition and contributed to this world-leading project."

Crown Trade Timonox Flame Retardant Coatings offer the right paint for the job to underpin fire safety management programmes. When applied to non-combustible surfaces, Crown Trade Timonox Flame Retardant Coatings provide excellent flame retardant properties and can maintain the fire rating of the construction with subsequent applications.

Debbie Orr added "Applied to the walls and ceilings of corridors, stairwells and other communal areas that form part of a circulation area or fire escape route in public buildings, Timonox can help provide additional time for a building to be safely evacuated.

"All paints contain material that can burn – but Crown Trade Timonox products are specially formulated to slow down this process. This means they can help buy precious extra time for evacuation – with the potential to save lives.

"The system reduces the risk of fire spread on walls and ceilings where multiple layers of conventional paint can create a flammable surface if they have built up over many years.

"This means that Timonox is generally used for refurbishment projects, where it basically spreads flame more slowly than traditional paint, whether water borne or solvent borne. Used over multiple layers of sound, standard paints, Timonox systems can re-instate the original fire rating of surfaces without the need to remove the existing coatings.

"However, at Heathrow Terminal 2B, the specifier is being very forward-thinking, as the use of Timonox here is maintaining the fire rating of the new construction from the start.

"In the long-term, providing Timonox is used when it is refurbished, it will continue to keep the original fire rating.



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