



# WASTE TRANSFER FACILITY - TIPTON

A PROJECT THAT RUNS BEHIND SCHEDULE AND IS LATE TO COMPLETE IS A MAJOR CONCERN FOR CONTRACTORS IN THE INDUSTRY. CEMEX HAVE PROVEN SOLUTIONS THAT ENABLE PROGRAMME TIMES TO BE CUT, AS WELL AS COST.



CEMEX were involved with supplying concrete to a new Waste Transfer facility near Oldbury. When the programme was compromised due to external factors, CEMEX had the solutions to help regain the lost time, whilst also saving the customer money.

## → THE CHALLENGE

The paved external areas of the new facility were designed to allow high levels of heavy vehicle traffic. The original design incorporated large amounts of steel mesh reinforcing, which is often a time consuming and expensive process. A further internal ground supported slab was also specified. As the area was to be used to process vast amounts of waste, it required a durable mix that had greater impact and abrasion resistance, but with the need to reduce the amount of joints in the floor. When the programme came under increased pressure, the client asked CEMEX for assistance.

## → THE SOLUTION

CEMEX Advanced Paving is a highly durable fibre reinforced mix which is ideal for use in high impact and high traffic volume areas. The incorporation of fibres at the batching stage provides a mix with increased resistance to surface cracking and abrasion, negating the need for the layers of steel mesh originally specified.

## KEY FACTS

- » Contract - Waste Transfer Facility, Tipton
- » Customer - Interserve
- » Volume - 3,000m<sup>3</sup>
- » Specialist Mixes - Microtech SF  
- Advanced Paving

The removal of the mesh saved significant cost and eliminated manual handling risks; most importantly reducing the time taken to lay the external slab. For the internal area, CEMEX suggested the use of Microtech SF, which offers a higher resistance to impact and abrasion and the added value of high early strength gains - perfect for a project where time is limited. Microtech SF also resists attack from sulphates and chloride, with the added inclusion of fibres delivering a high level of flexural strength.

## → THE OUTCOME

CEMEX successfully supplied 2,000m<sup>3</sup> of Advanced Paving and facilitated the early hand over of the external yard area. The internal slab of approximately 730m<sup>3</sup> was delivered over 4 days and was able to be handed over to follow-on-trades very quickly, allowing the programme to progress. The contractor and client were pleased that the change to the specification had allowed the programme to get back on track.



**MICROTECH**  
HIGH PERFORMANCE CONCRETE



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