CASE STUDY

EV Charge Point Installation Utilising rbs Rapid Concrete

PROJECT DETAILS

Project Name:	EV Charge Point Installation Utilising rbs Rapid Concrete
Location:	Resapol London
Start Date:	20th July 2023
End Date:	20th July 2023
Contractor:	N/A

Product Requirements

- Rapid setting
- High early strength
- Suitable for high traffic areas

Product Solution

- A rapid setting, high early strength repair concrete
- The high performance exhibits a fast development of physical properties allowing early return to service

PROJECT OUTLINE

This case study highlights the successful application of Resapol's own branded product, rbs Rapid Concrete, which was utilised for the installation of an Electric Vehicle (EV) charge point at Resapol's London depot. The project was overseen and undertaken by concrete specialist Paul Rigby, Resapol's National Technical Support Manager, and involved filling a divot created to house the cables for the new EV charge point.

THE SOLUTION

rbs Rapid Concrete was selected for its superior properties featured within its new and improved formula, which provides an even better performance and subsequent results:

- Rapid Setting Time Between 25-30 Minutes:
  - The quick-setting nature of rbs Rapid Concrete minimised downtime to ensure the project was completed both quickly and efficiently, allowing the EV charge point to be utilised the very same day the project was completed.
- High Early Strength:
  - It was crucial to select a product with high early strength to ensure it had the durability to support the weight of typical vehicle traffic, including large vans and delivery lorries that visit the depot daily.

The project was a complete success and was finished on the same day the product was applied, highlighting the effectiveness of rbs Rapid Concrete as a solution for similar cable installations. By utilising rbs Rapid Concrete Resapol's London Depot has enhanced its sustainable infrastructure by further supporting the needs of Resapol's fleet of hybrid and electric company vehicles.

PRODUCT IN FOCUS

RBS RAPID CONCRETE

A SHRINKAGE COMPENSATED REPAIR CONCRETE

- High early strength repair concrete
- Consists of a dry blend of polymer modified Portland Cement and limestone aggregate
- High performance exhibits a fast development of physical properties allowing early return to service
- Especially suitable for heavily trafficked areas
- New improved formula provides an improved cold working performance
- Faster set and strength at early stages

Product Uses

- High strength repairs to pavement concrete thin bed and full depth.
- Industrial floors, loading bays or failed floor slabs.
- Parking decks and ramps.
- Airport hardstandings.
- EV charge point installation.

Product Benefits

- High early strength.
- Rapid setting time between 25-30 mins.
- Works at lower temperatures ⩾5°.
- Shrinkage compensated.