

LAKESIDE PORTSMOUTH - ELECTRIC CAR BAYS

SPECTRUM CASE STUDY

THE NEED:

Lakeside Business Park in Portsmouth required two electric car bays to be restored. The area is often busy and the rise in electric cars due to environmental reasons meant that an improvement was required. Meon stepped up to apply our professional electric car bay water based system of paints.

SOLUTION:

First we removed the existing markings back down to the level of the surface. Using the GrindLazer DC1013 G DCS automatic depth control system, the lines can be removed perfectly down to the level of the surface without any scarring. Loose material was removed, using the LazerVac 550.

The bays were marked out to the standard size which is 2.4 metres by 4.8 metres for a car park bay. Due to the uneven surface we applied ScratchCote L280 with a flat bladed metal squeegee to create a flat surface, which improves final appearance.

For the area coating, we used our water based MultiGrip W248 in green. This product is ideal as it has very low odour, is environmentally safe, and it will also provide a slip-resistant texture. The MultiGrip W248 was applied using a roller, this meant we could add some extra slip resistant additive to improve safety and it prevented unnecessary spray on other vehicles from spray application. Before applying, the area needs to be taped out again to get neat edges. Some applications may require 2 coats of paint, but on this application, we can use one coat as we have ScratchCoated the surface so one coat provides sufficient opacity.

Next we applied the lines around the bays. We marked out the lines by marking to one side for the Lazer on the spray machine to follow. We used the LineLazer ES 2000 to mark out the lines. The product applied was SureStripe W218 which is a high performance water-based lining product.

We also applied a logo and text to these bays to help display them as electric charging bays. We applied the logo 1/3 of the way from the back of the bay, and the text 3/4 away from the back of the bay. We placed the stencils where marked out and sprayed the logo/text onto the bay using the same machine and paint. The SureStripe W218 fully cures in 2 hours, after which we have our fresh electric car charging bays.

SUMMARY AND SYSTEMS USED:

Graco GrindLazer was used for removal and comes with a wide range of cutters for removal of different materials on a range of substrates. MMA ScratchCote L280 was used as a surface primer and void filler. MultiGrip W248, an environmentally friendly anti-slip coating provided the coloured background. This can be used on many applications, from parking bays, to pedestrian walkways. The Graco LineLazer ES2000, the all-electric LineLazer was used for fast, simple, and effective application. This LineLazer is perfect for both interior and exterior lining, with dual battery giving you battery life to get you through a full day. Its true versatility can be seen in the fact it can be used with solvent based and water based paint, for both lining and solid area coatings.

SYSTEMS USED:

- SPECTRUM ScratchCote L280 - High build MMA void filler
- SPECTRUM MultiGrip W248 - Water based slip resistant paint
- SPECTRUM SureStripe W218 - Sprayable water based paint
- Graco GrindLazer DC1013 G DCS - High production scarifier
- Graco LineLazer ES 2000 - Electric airless line striper
- Graco LazerVac 550 - Dust extraction unit



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