

# ELECTRIC CAR BAY GUIDE

## HOW TO... LINE REINSTATE AN ELECTRIC CAR BAY

### OVERVIEW:

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. The bays are already marked out as electric charging bays but we can improve on what is currently here by levelling the surface, applying background area colour and applying clear logos.

### 1. Dry surface, grind off lines and vacuum area

The first step here is to remove the existing markings back down to the level of the surface. We are using the GrindLazer DC1013 G DCS with an automatic depth control system which allows us to adjust the cut height in millimetre increments. With this system we can remove the lines perfectly down to the level of the surface without any scarring. Once the markings have been removed we make sure all loose material is removed, using the LazerVac 550 which vacuums it away.

### 2. Measure, mark out and tape bays

Now the area for the bays is marked out to the standard size which is 2.4 metres by 4.8 metres per bay for 2 car park bays. To make sure the bays are marked square. As these bays have a very uneven surface, we are going to ScratchCote the entire area so we have a nice flat surface to apply our markings onto. In preparation for this the area is taped out.

### 3. Resurface area with ScratchCote

Our ScratchCote L280 kits are supplied with everything you need apart from a good mixing drill. So we take out the resin component and best practice is to give this a good stir with the mixing stick to make sure it is consistent. Now we steadily add the resin to the powder in the bucket whilst mixing, and continue to mix. The sides need to be scraped down to get all the powder into the mix, then keep mixing for approximately 3 minutes until the mixture is consistent and there are no lumps of powder. The ScratchCote L280 needs to be applied immediately after mixing as the product is workable for only 12 minutes. Its simple to apply, pouring it out onto the surface and spreading out with a squeegee. The type of squeegee can make a big difference on the finished surface, we recommend a flat bladed metal squeegee as we are using here. Now that the ScratchCote L280 surface is applied, the tape can be removed before the product cures, and then we need to wait until the product has cured which takes about 40 minutes.

### 4. Mix and apply MultiGrip W248

Applying an area coating, we are using our water-based MultiGrip W248 in green. This product is ideal as it has very low odour, is environmentally safe, and can be applied on asphalt, block paving and even new asphalt over 2 weeks old. It will also provide a slip-resistant texture which increases safety for people getting in and out of their cars on this surface, especially when it is wet. MultiGrip W248 is fully sprayable, however, we are going to roller apply in this application for 2 reasons; firstly this means we can add some extra slip resistant additive to improve safety. Secondly we are aware that for refreshing electric car park bays in standard practice, the whole car park will not be shut off so there will potentially be parked vehicles nearby which we don't want to accidentally spray paint onto. For these situations roller application is safer. Before applying, the area needs to be taped out again to get neat edges. We pre-mix the MultiGrip W248 so that the mix is consistent, and then add the Molochite which will provide enhanced slip-resistance. After mixing that well, we're ready to apply.



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### 5. Mark out lines and spray bay lines

Once the product is poured into a roller tray, it will skin over quickly so its important to start applying as soon as possible. We are using a medium pile roller here, slightly overlapping the previous area applied to make sure the entire area is covered. Its important to make sure the slip-resistant additive is evenly applied on the surface so that we have a consistent finish. Some applications may require 2 coats of paint, but on this application we can use one coat as we have ScratchCoated the surface so less product will be lost into the surface texture. Now the entire area is coated with the background colour, we can remove the tape and leave that to cure which will take approximately 2 hours.

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### 6. Spray logo

The next step is to apply the lines around the bays. We are marking out where the lines will go here, putting the markings to one side for the Lazer on the spray machine to follow. Once marked out, the bay lines are applied using the LineLazer ES 2000 and the product being applied is SureStripe W218 which is a water based lining product with high performance.

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### 7. Spray text

We are also going to apply a logo to these bays to help display them as charging bays. We're applying the logo 1/3 of the way from the back of the bay, so we measure and mark this out. Now we simply place the stencil where marked out and spray the logo 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.

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#### MEON UK

+44 (0)23 9220 0606  
MAIL@MEONUK.COM  
MEONUK.COM

#### MEON IRELAND

+353 (0)1 840 7647  
INFO@MEONIRELAND.COM  
MEON.IE



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