Possilpark Shotblasting Co. Ltd
Specialists in Metal Finishing

Possilpark Shotblasting
73 Dunn Street
Glasgow
G40 3PE

Case Study 1 – Garden Bench

A customer came to see if we could help restore their cast iron garden bench to its former glory. The existing paint coating on the bench had been on for many years and was breaking down leaving exposed areas of bare metal which were rusting.

The course of treatment that we recommended to the customer was to blast off the existing coating(s) and take the bench back to bare metal. This required some delicate manual blasting by our blasters due to the age of the bench and the delicacy of some of the fine casting.

Once in a blasted state and free from contamination we appllied 125 microns of a Zinc Phosphate primer. This coat is designed to give anti -corrosive protection to the iron underneath. Due to the complex nature of the bench the painter was required to brush in a stripe coat before the appliaction of the full coat by airless spray.
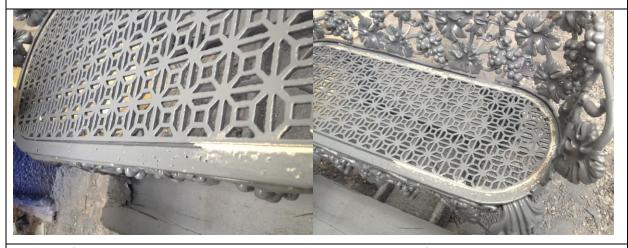
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Once blasted and primed it became clear that there were areas of blow holes in cast iron work, this is when holes and blemishes open up in the metal.   This can lead to future areas of paint breakdown and also affect the aesthetics of the finished job. Once the primer had cured the painter set about filling the blow holes with epxoy filler.

Once the filler had been applied into the blow holes and had time to firm up the top coat was applied by brush and then by airless spray. At the customers request the benach was painted green (RAL 6011) . The top coat was a Polyurthane finish and applied to 75 microns this provides portection from UV rays and the colour should be resitant to fading over a period of time.

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