

Access Corridor

Top Image:

Our team are on site hand laying the system to attain an excellent finish.



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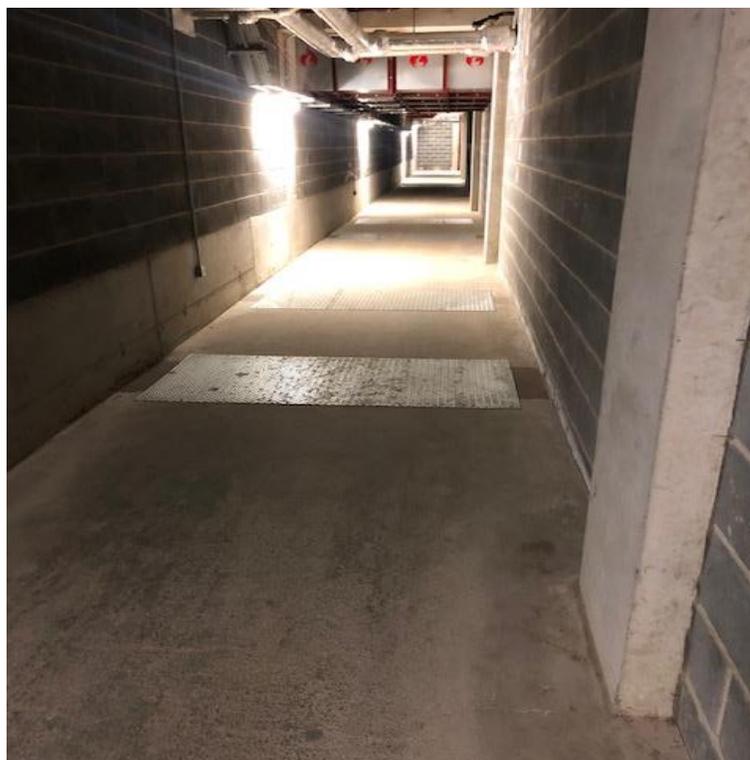
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P.1 – Method/Preparation

The screed laid was failing and cracks were starting to appear in various areas. As a quick fix the client had installed checker plates in an attempt to protect the joints from cracking further. A decision was made by the client to leave the checker plates in, so our team started to mechanically grind the floor to clean and texture the substrate. We then installed 20mm x 20mm saw cuts around all checker plates and stantions, the hand laid material will fill these holes and cure, gripping the floor like an anchor point.

Bottom Image:

This is a photo of one leg of the corridor, it branches off into 2 other sections, totaling just under 400m² in size.



Top Image:

This photo shows some of the cracks that had appeared and why the client called us in.



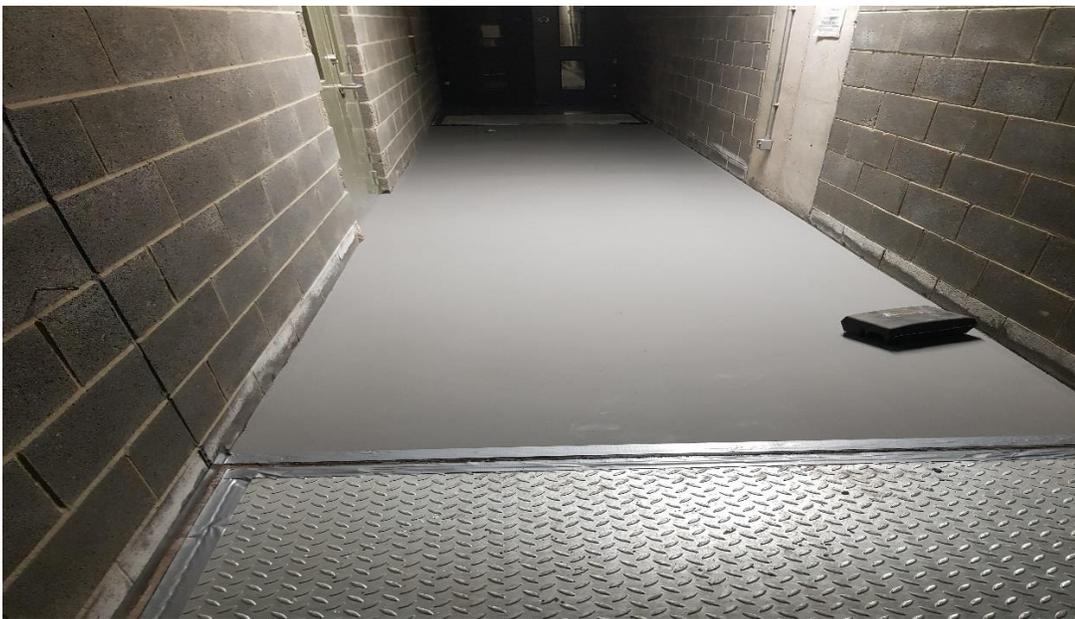
Bottom Image:

Below is an image of the checker plate and floor before our team started on site.

P.2 – Application/Installation

Our team installed extra 10mm x 6mm chase cuts at the door thresholds, then used a hand grinder to grind the area in front of where we installed the chase cut, to ensure the material sits flush with the existing concrete, eliminating and trip hazard. Next, we repaired and replaced the joints using a rubber re-enforced polyurethane joint and arris repair mortar, and then installed a DPM incorporated with aggregate to provide a mechanical key for the following system.





Top Image:

The improvement is already here to see before our team finishes off the details around the checker plates.

P.2 – Application/Installation

Once the DPM had been installed and an aggregate scatter laid, our team moved on to installing 6mm polyurethane screed, hand laid by the use of a steel float trowel as shown below. This system was ideal for the client with its chemical resistance, slip resistance and durability ticking all the necessary boxes. Once laid we then saw cut a 10mm x 6mm expansion joint around the perimeter of all checker plates and installed more jointing compound, introducing an extra joint would give more flexibility and security against cracking around the checker plates.

Bottom Image:

This is a great money shot of our team on site hand laying the 6mm polyurethane screed.

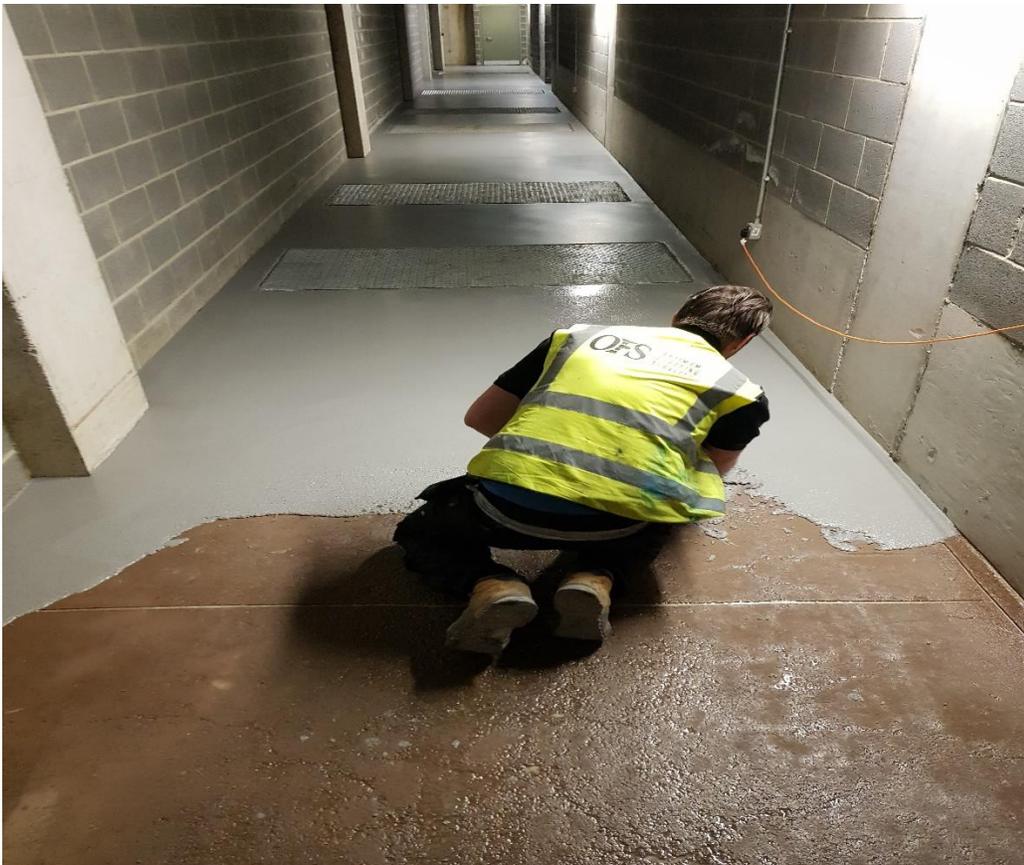


Image:

The finished floor and joints look really good, ready to provide a better working environment for the client.



P.3 – Result

This corridor is subject to heavy foot and pump truck traffic, acting as an access route for restaurants and stores, meaning that the project had to be completed on time, with good planning and communication by Optimum ensuring the process went as smooth as possible!



“Thanks to the Optimum Team for all your hard work on this project”

- David (Site Foreman)

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