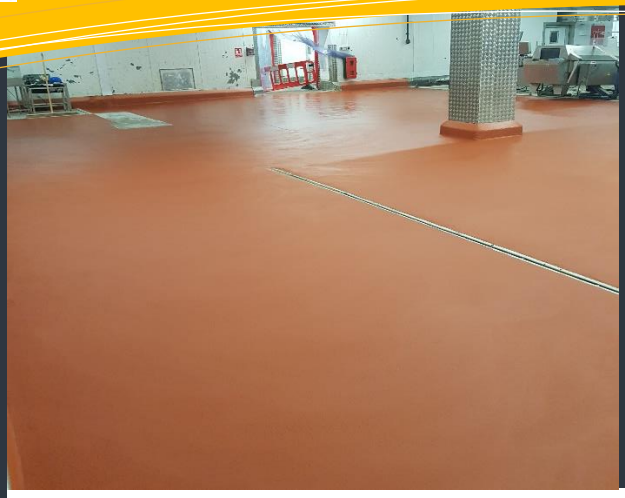
Case Study Feb 2019

Meat Factory



Top Image:

This photo shows the complete area along with coving.

Contents:

P.1 – Method/Preparation

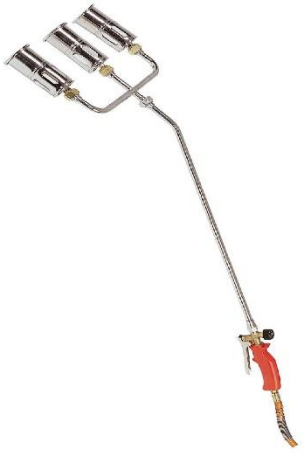
On this job the current system had been down for long time and the floor needed replacing. Our team saw cut around the areas of damaged screed using a Hilti-floor saw with fitted vacuum attachments, then we broke out the floor using an electric kango machine. Once this step was completed, we mechanically grinded the floor using a three-phase grinding machine, again with fitted vacuum attachments to keep airborne dust to a minimum.

Bottom Image:

The image below shows the state of the floor before our works commenced.

Top Image:

This is the propane gas burner we used to force dry the floor.

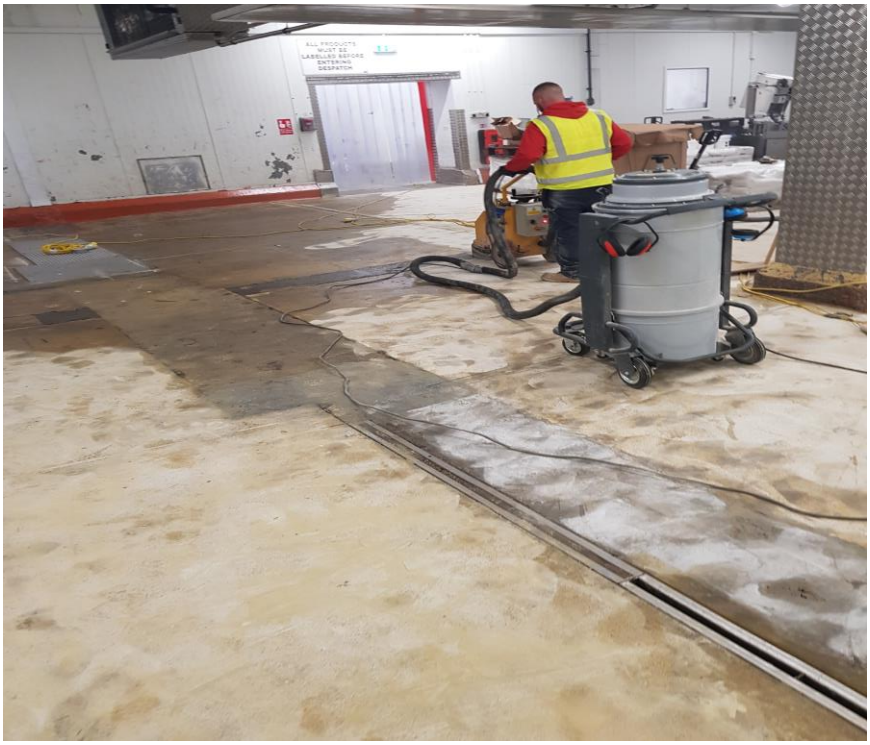


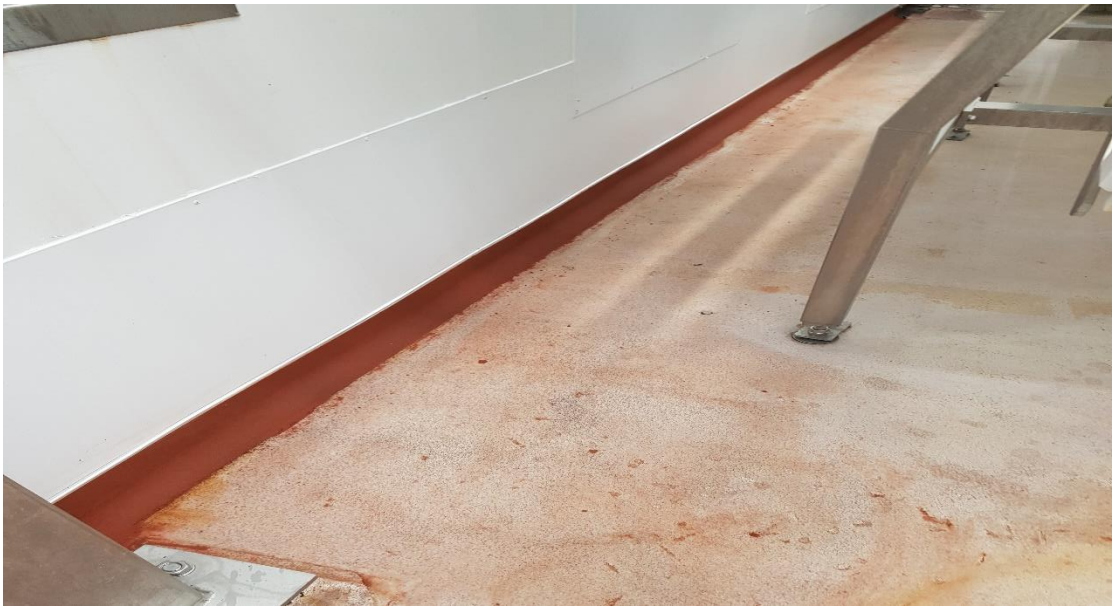
Bottom Image:

Our team has uplifted the system, this photo shows the mass area affected by moisture.

P.2 – Application/Installation

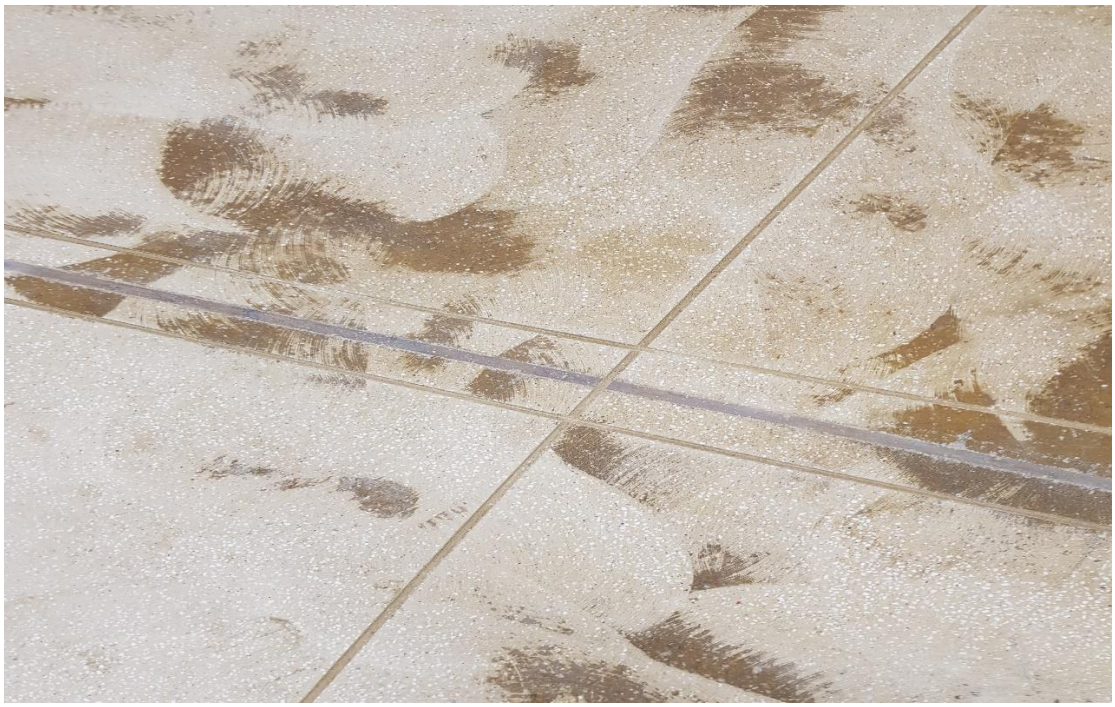
Once we took up the floor, we discovered the sub-floor was damp, giving sense to why the current system was cracking under the moisture content below. Because we were on a strict time frame with the client, and already working through the night, our team had to introduce a propane gas torch to force dry the area to make it suitable to accept our system.





P.2 – Application/Installation

Next our team turned their attention to the coving. The current coving was in good condition and just needed a light grind and re-coating. Once completed we introduced saw cuts around all perimeter edges, drainage channels and stantions. We did this because when a polyurethane screed cures it shrinks, these saw cuts will then act like anchor grooves giving the system something to grip to during chemical cure, thus giving extra strength and flexibility in the long term. The final step was to install a 6mm polyurethane screed, this system is hand laid by a steel float trowel, and gives excellent abrasion, impact and chemical resistance. Its lightly textured finish makes the product ideal for both wet and dry processing environments such as the food, beverage and chemical industries.



Top Image:

Our team only painted the coving as the coving system was in good shape and didn't need replacing.

Bottom Image:

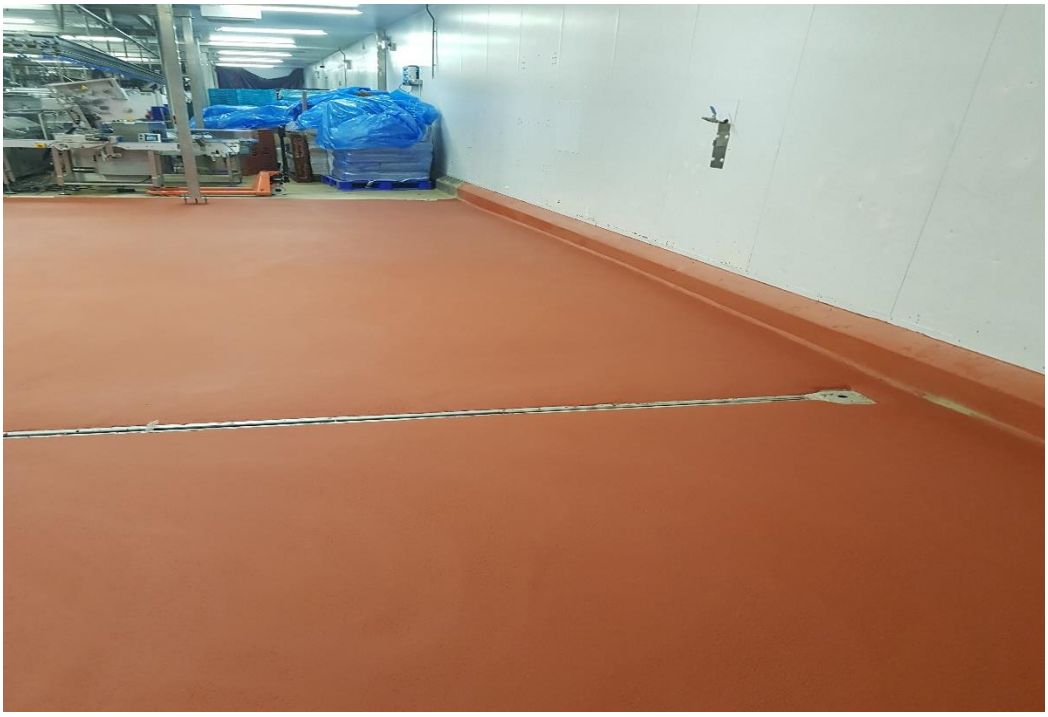
Here's a great shot of the saw-cuts installed by our team to act as an anchor when the polyurethane screed cures and shrinks.

Image:

The bottom image shows the area once our team had finished the project.

P.3 – Result

Our team completed this job during the clients shut down, working through the night and solving the issue of the damp floor with minimal impact on the job. Great work by the Optimum team!



"Optimum completed this in line with our schedule, meaning no disruption to our production. Very happy with the results"

- **William Mitchell – Maintenance Manager**

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OPTIMUM FLOORING SERVICES LIMITED. MOORLAND HOUSE, MOORLAND ROAD, STOKE ON TRENT. ST6 1JD

TEL: 01782 865099 WEB: www.optimumflooringservicesltd.co.uk EMAIL: info@optimumflooringservicesltd.co.uk