



# The Essential Guide To Industrial Resin Floor Repairs

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# Introduction

Repairing Industrial Floors can be a far more cost-effective option than replacing a floor. Production facilities often have to balance maintaining production output against the need to ensure they are producing in a health and safety compliant and hygienic environment and this can throw up a series of challenges.

In this guide we will present the solutions Acrylicon and its unique formulation offers to these challenges as well as an easy guide to work out when continual repair is throwing good money after bad and it is more cost effective to consider a new floor.”





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# Saving You Time, Money And Hassle

Each time an industrial floor needs a repair, it can cause disruption to production, often causing a cost far greater than just the cost of the repair to a company. It is therefore important to choose a repair solution that not only minimises this, but that also lasts a long time so that the disruption and cost are not repeated.

When considering a resin flooring repair solution there are some key considerations to ensure you get the best repair with the minimum of disruption and cost. Due to its unique formulation, Acrylicon has some unique features that set it apart from traditional resins.

## Fast Cure Time

Acrylicon resin fully cures in 2 hours.

That means that 2 hours after the last roller coat of the seal coat is applied, not only can you walk on your repair, you can place heavy machinery on it or drive a forklift truck over it.

Fully cured also means it resists chemical attack including water, therefore you can put the area back in full production.

Some traditional resins can take 3 to 5 days to fully cure depending on the system and temperature.

So, even though they have hardened enough to walk on, they can be being damaged from day one by chemical attack interrupting the cure and the resin never reaching full strength and the repair then fails.



## A Quick Fix

Acrylicon has an Industry Repair kit which customer's can hold in stock for when they damage a floor or move a machine and need a quick repair to keep their production going, before looking at a comprehensive repair at a later date.

The kit consists of a bag of aggregate and a tin of resin that are mixed together and trowelled into the hole and can be walked on in 90 minutes and is fully cured in 2 hours.



## Minimises Disruption

Due to Acrylicon's fast cure time, we are able to schedule repair works in overnight or at weekends with possibly no impact to production.

When you return to work the repaired floor is waiting and ready to be put back into full production.



## Hygienic and Environmentally Friendly

Acrylicon Resins offer very high compressive strengths which makes them resistant to dirt and easy to clean, so your repair stays solid for many years to come.

The Acrylicon resin is solvent-free, low VOC and non-toxic when cured. The systems are M1 classified for indoor air quality and hold the TUV Food Safe Certification.



## Easy Drains

Repairing the concrete around drains or installing new drains can often be highly disruptive to a production schedule.

Acrylicon's Levelling Screed fully cures in 2 hours, radically reducing the time taken by traditional or fast-cure screeds.

With the chemical bonding in Acrylicon systems, it just needs to have hardened before a flooring system can be installed on top of it, as it will continue to cure.

This can turn repairing or installing a drain into works that can be done over a weekend shutdown and not cost any production time.



## Long Lasting

Due to their unique formulation, Acrylicon's resins have a true-life expectancy of 4 to 8 times that of traditional resins.

This means you get good value for money and less future disruptions from repairs that have already been carried out failing again in your floors.

The repairs are conducted by Acrylicon's Exclusive Licensed Contractors who are fully trained, experts in the Acrylicon product and adhere to Acrylicon's high standard of workmanship, ensuring you get the best possible repair.



# 6 Steps To Hassle-Free Floor Repair

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**1**

Book your free no-obligation floor inspection survey.

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Once your survey is completed, our local experts will create a proposal and specify the correct flooring repair solution for your unique needs.

**2**

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**3**

We then work with you to create an installation plan that fits around your operation and aims to eliminate potential disruption.

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With the proposal agreed, we book the installation date and begin production with the materials in our factory.

**4**

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**5**

Our own specially trained and certified teams carry out the installation.

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Once you are completely satisfied with the work, the project is signed off.

**6**



# How To Work Out If A Replacement Is Cheaper Than A Repair

There can come a time when a floor has got to the stage it is needing constant repair and maintenance. You would like a new floor, but feel you can't justify the cost.

This is a question we come across time and time again with our customers and one really worth exploring.

Many companies get into a rut of constantly repairing old and tired floors, throwing good money after bad and wrongly assuming a new floor will cost them too much.

Even though the initial investment cost of a new floor can seem high, there is a simple way to calculate when it is right for you to consider a switch to save money and disruption to your production.

Start by working out what your current floor is costing you annually now:

$$\text{CAM} + (\text{DPR} \times \text{DS}) = \text{AC}$$

**CAM - Current Annual Maintenance Spend**

**DPR - Daily Production Revenue**

**DS - Number of Days Shutdown**

**AC - Annual Cost to Company Now**

To compare this against what the annual cost of a new floor might be:

$$\frac{\text{CNF} + (\text{DPR} \times \text{DS})}{\text{MWP}} = \text{ACNF}$$

**CNF - Cost of a New Floor**

**DPR - Daily Production Revenue**

**DS - Number of Days Shutdown**

**MWP - Manufacturer's Warranty Period**

**ACNF - Annual Cost of a New Floor for the Manufacturer's Warranty Period**



So, lets look at what a potential scenario might look like for you:

**Your current cost:**

You have a 500 m<sup>2</sup> food production area which is 5-6 years old and are having to repair it 3 times a year. Assuming a repair cost of £2,500 per visit and a 2 day shutdown for the repairs to be installed and for the floor to cure with a loss of revenue of £5,000 per day of shutdown, by using the first formula we can see the floor costs you **£37,500 per year**.

**To install a like for like replacement for what you currently have:**

With the same area you would like to replace it with a traditional resin floor. It will take 5 days to install and a further 2 to cure. You are being offered the floor for £20,000 and will be given a 3-year warranty.

Assuming the same loss of revenue due to shutdown as above, by using the second formula we see this costs you a total of £55,000 divided by the 3-year warranty, so a cost of **£18,333 per year**, already saving you £19,167 per year. But.....after the 3 years you are back in the maintenance cycle and associated costs.

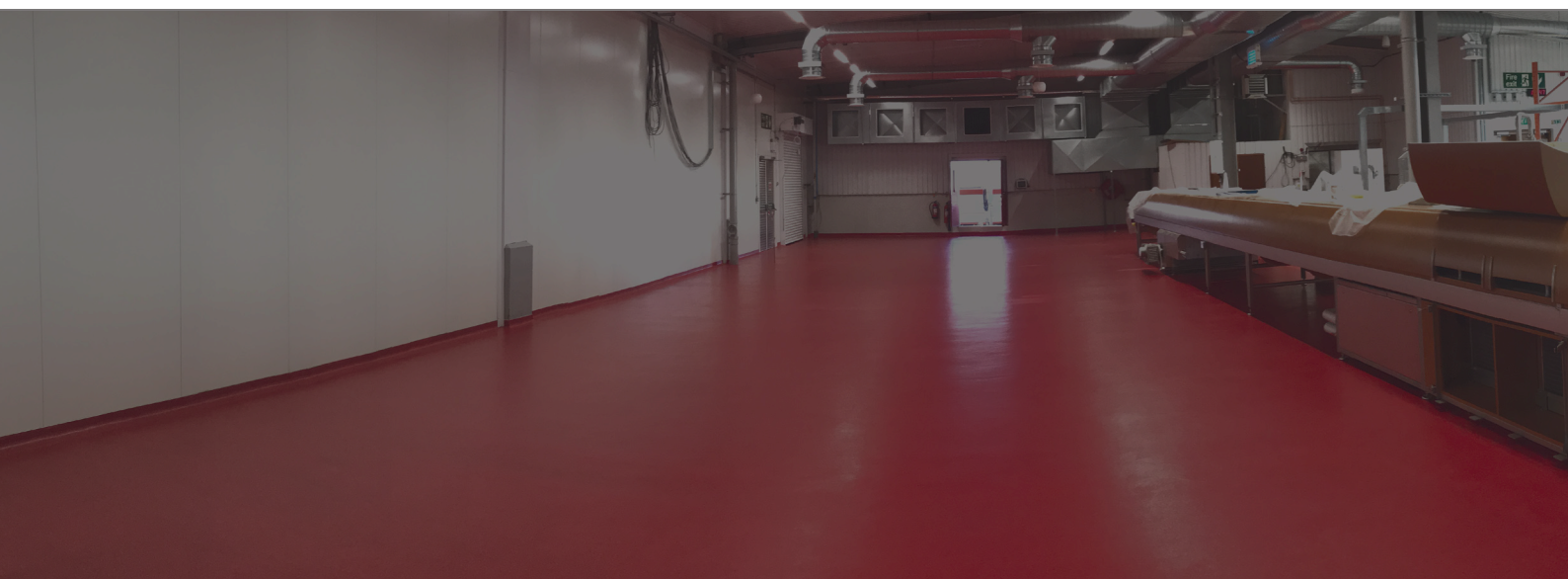
**If you were to consider an Acrylicon Floor:**

You could replace your old floor with an Acrylicon System. This floor may cost you more, but you get a 10-year warranty. Due to Acrylicon's unique chemical construction, you get very high compressive strengths and floors that fully cure in 2 hours.

This allows for the floor to be installed over a series of nights or weekends and you can resume production on it each morning, causing you no loss of revenue due to production shutdown. By using the second formula you can see that if this floor costs you, let's say, **£40,000** when divided by the 10-year warranty, it's cost of £4,000 per year. This **saves you a massive £33,500 a year** over repairing your current floor and which equates to an even greater saving of **£335,000** over the 10-year warranty period.

The best way to check life expectancy of a floor is to ask to see one. If a company says their floor lasts 5 or 10 years, ask to see a floor of that age.

Acrylicon's 10-year warranty covers Design, Manufacture and Installation as these all happen within the Acrylicon Group of companies. This is unique in the marketplace and in the unlikely event your floor fails to perform, we fix it. Simple.





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