

Jarden Plastic Solutions installs Stonhard's flooring in a new Clean Room and Warehouse facility in Dorset



Summary

- 1,874 square metres refurbishment
- Clean Room and Warehouse Facility in Christchurch, Dorset
- Precision injection moulding manufacturing plant

Main Issues

- Thick layer of asphalt that needed removing
- Uneven surface
- Limited access to the Warehouse
- Segmented based substrates with joints
- Ambient temperature environment

Solution

- Stonshield HRI, cobalt
- Stonclad GS, pewter
- Stonflex MP7, sky blue
- Stonproof CT5
- Stonkote GS4 - pewter

Timescale

11 days installation plus preparation time

About Jarden Plastic Solutions

Jarden Plastic Solutions (JPS) is a part of US based Newell Brands, a \$16 billion global consumer goods corporation. Its British manufacturing company specialises in precision injection moulding and the production of healthcare and medical products such as filtration components and blister packs. The UK facility operates out of a 5,500 square-metres site in Christchurch on the South coast of England.

Expanding facility

Keith Tanner, Engineering Manager for Process Solutions, is in charge of ensuring the facilities at the site meet all requirements for successful manufacture of the healthcare products. As the site is used for medical moulding and complex assemblies, JPS identified the need to build an additional Clean Room to ensure a continuity plan is in place to protect the existing supply chain.

Mr Tanner explains: "As our business has been steadily growing and to give our Blue Chip customers the added benefit of continuity, it became obvious that we needed to invest in a secondary Clean Room on top our existing Class 8 Clean Room to meet our clients' needs and requirements. In early 2015, we started to look at local companies that could help us bring the project together. Our colleagues in the US headquarters advised us to contact Stonhard. They have been so impressed by the quality of their flooring, workmanship and professionalism, that a corporate decision has been made to use Stonhard as a flooring supplier on all corporate new projects round the world. That's how I came across the guys at Stonhard UK."

The refurbishment of the old warehouse started in early 2016 and consisted of two areas; the Clean Room which is just over 900 square metres and a new 960 square metre Warehouse.

Choosing the right flooring for the different environments

"As we deal with many medical clients, the floors in our new Clean Room needed to be without any crevices, adhering to medical standards," adds Mr Tanner. "Whilst we wanted to achieve a smooth finish, it was just as important to ensure that our employees working on-site will be safe and the floor will not slip. With the warehouse, on the other hand, we needed a more coarse, hardwearing surface that would withstand regular forklift traffic," explains Mr Tanner.

Steve Lyon, Stonhard UK's Contract Manager worked with JPS to find the right flooring solution for their different environments. Steve comments:

STONHARD

"Following our initial flooring assessment, we recommended Stonshield HRI, a textured, ultra-slip-resistant and easy to clean flooring system for the Clean Room. It comes in a range of colours and patterns and can be installed in less than two days if required. For the Warehouse, Stonhard's Stonclad GS fitted the bill perfectly. It's an epoxy floor coating that offers great protection for heavy-duty environments, resisting impact and abrasion. It handles heavy loads and also withstands thermal stresses really well."

Seamless installation

Stonhard's five-man crew started the work at the site at the beginning of December 2016. Mr Tanner explains: "I was really impressed by the level of attention that went into base preparation of the site. There was a 20mm thick layer of asphalt on the floor that needed to be removed; a very dirty job indeed. It took a week to clean the area, but it was well worth it. The base level was also very uneven. Stonhard's guys were very good at levelling it out before putting a flooring screed on top. An excellent job indeed!"

The installation of the flooring in the new Clean Room took just over 11 days. Keith Tanner concludes: "Stonhard's people were very accommodating. We paid more than we originally budgeted for when we started planning the project, but the extra cost was worth every penny. The attention to detail, from cutting up the joints to dealing with temperature variations at the site, was outstanding. At the end of the day, it was worthwhile."

With the whole job completed in just under two weeks, Jarden Plastic could start taking the advantage of a brand new, top of the range Clean Room and Warehouse that met the high standards of their medical and healthcare clients.

"I was really impressed by the level of attention that went into preparation of the site. An excellent job indeed!"

Keith Tanner
Engineering Manager, Process Solutions
Jarden Plastic Solutions

About Stonhard

Stonhard is the unprecedented leader in manufacturing and installing high-performance epoxy and resin floors, walls and lining systems. Our seamless, long-lasting, easy to clean flooring systems are engineered for both industrial and commercial markets and have been extensively used by a vast range of businesses worldwide for 90+ years. Our single-source warranty covers both products and installation.

