

## Case Study:

# Unipart Group Showpiece HSS Fuel Cell Area



**Project:**  
Unipart Group Showpiece HSS Fuel Cell Area

**Location:** Cowley, Oxfordshire

**Contracted company:**  
Zenith Pola Flooring

**UZIN sales agent:**  
John O'Hara & Jack Sant

**Supporting architect:**  
N/A

**Floor construction working time in hours (approx.):**  
8 days

## UZIN installation systems

- PE 414 Primer
- FM 30 Industrial Top
- RR201 Fibreglass Reinforcement
- Arturo EP 6601 Primer
- Arturo EP 2500 Self-smoother
- Arturo PU 7900 Satin seal coat

Unipart Group in Cowley had encountered numerous difficulties when installing resin floors over an old asphalt substrate, so a UZIN & Arturo system was specified as a solution.

## The job / challenge

Resin floor coverings had presented many problems in the past for Unipart House in Cowley, Oxfordshire, due to the fact that the majority of their substrate was made from asphalt. As this expands and contracts in different temperatures, it can often force bonded floor coverings to crack and ultimately de-bond.

## The solution / implementation

Unipart asked Zenith Pola Flooring to specify and design a unique system cable of bonding to the asphalt, with the characteristics to withstand both industrial and foot traffic. In particular, they wished to create a 'showpiece' area, measuring 1000 m<sup>2</sup>, for displaying to clients, calling for a solution that provided a totally seamless, durable finish, which could be guaranteed for a number of years.



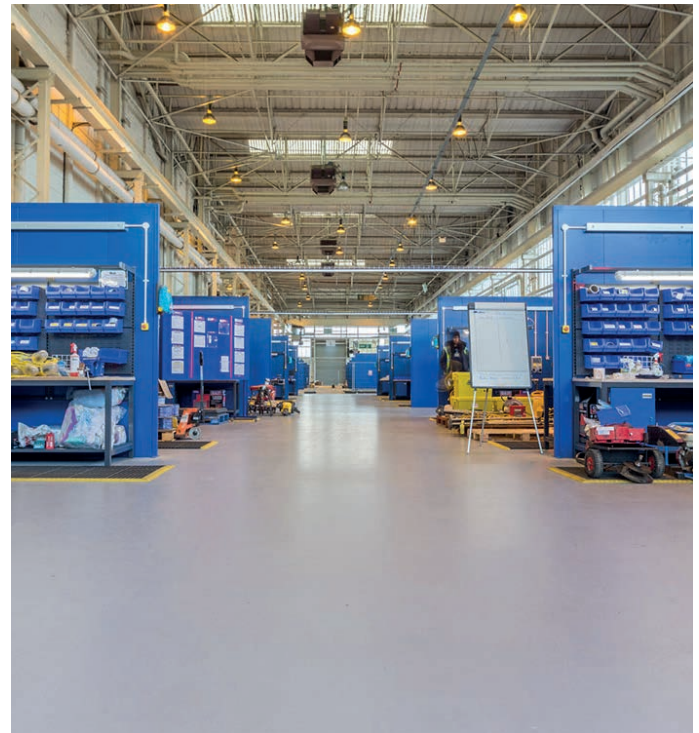


Therefore Zenith turned to UZIN for a specification. Zenith first utilised FM 30 industrial top in conjunction with RR 201 fibreglass reinforcement. This provided a loosely laid mesh that dispersed into the industrial top when laid, ensuring the strength and characteristics necessary to work on the asphalt substrate and providing a suitable base for the resin finish.

Once the base had been primed, Zenith applied a 2 mm Arturo EP 2500 epoxy self-smoothing resin system, producing a completely seamless, low maintenance, hardwearing finish, with an additional Arturo PU 7900 satin seal coating ensuring extra scratch resistance.

## The result

The project was completed on schedule and without any problems. The floor was exceptionally well finished resulting in a very durable hard and wearing surface. The seamless nature of the resin flooring means that dirt and dust cannot accumulate within it, making it easy to clean and maintain.



” Zenith Pola Flooring provided a specification that allowed us to refurbish our floor without the need for prolonged shutdown. We have experienced many problems in the past with resin floor coverings owing to the fact that a large majority of our substrate is asphalt. The specification allowed us to lay over the existing finish and ultimately shorten the programme. We are extremely happy with the service provided throughout the project and with the finish of the floor. ”

ROY FRASER, UNIPART