

The floor of any police cell needs to fulfil a number of specific requirements. It has to be easy to clean and, for the safety of those staying in the cells, must be firmly bonded to the floor. With this in mind architects Taylor Young carefully researched the market before finally specifying Ryebrook Resins Ltd, who is approved by the Home Office, to lay their **Safe Cell 2000+** resin floor system in the police cells and custody suite at the newly constructed Divisional Headquarters of the Lancashire Constabulary.



Over time, vinyl and standard floor tiles become loose, posing obvious safety and security risks. They also tend to be extremely slippery when wet. Laid to a seamless finish, Ryebrook's **Safe Cell 2000+** system is an epoxy resin textured floor topping that can be combined with a wall coating such as Ryetech V to provide a secure floor that can be mopped clean. A good level of chemical resistance means strong disinfectants can be regularly used in cleaning, without affecting the lifespan of the floor. Minimising the risk of accidents, the high gloss finish is combined with a textured element to provide good slip resistant properties.

Working with Project Managers, Cox & Partners, Ryebrook Resins initially cleaned and keyed the 792m² area by close circuit shot blasting. Edge detail around the perimeter walls was diamond ground by hand using vacuum extraction to minimise dust. Due to the high moisture content of the concrete sub floor, two coats of Ryepime DPM (damp-proof membrane) were applied to act as a vapour barrier. A light grey **Safe Cell 2000+** was then laid in all 42 police cells, the shower and toilet areas, as well as the custody suite. Ryetech V was applied to the skirting to a height of 200mm.

"It is important that the headquarters remain fully operational into the future," explains Simon Jones of Cox & Partners. "Unlike many alternative floor systems, which require replacement after just 5 years, the **Safe Cell** resin floor offers a life span of up to 20 years with minimal maintenance. Lancashire Constabulary is delighted with the result."

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