



REFERENCE

CDS Solihull, West Midlands

Application Field

- Floor coating – industrial systems
- Floor coating – conductive systems

Structure Type

- Industrial buildings / halls

Brief Description

This advanced aerospace manufacturing, research and development facility has brought together two existing aging facilities into one brand new state of the art building.

The facility produces engine control systems for a range of applications, including the Rolls-Royce Trent family of aircraft engines.

Main Problem and Requirements

The flooring needed to fulfil the Clients high standards and requirements which consisted of:-
 Chemical Resistant Flooring with Chemical Resistant Wall Render;
 Epoxy Conductive Flooring System with an Anti-Slip Textured Finish;
 and finally, Remmers Self Smoothing Epoxy Resin with a Slip Resistant Seal Coat over a total of 9,500m².

To compliment the floors, 3500 linear metres (2.1 miles) of Remmers Epoxy Cove Skirting were also installed.

There were 98 drain points within the main Hydromech area which required infilling immediately prior to overlaying the resin floor finish.

Products and Systems Used

Epoxy MT100 (used throughout as DPM)
 EP Screed for coving and wall renders
 Optiplan Base for deep section repairs
 Epoxy PH Color SL
 Epoxy CR Color SL
 Epoxy AS Color with SiC Anti slip
 PUR Top G+ (seal coat)



Due to the extended drying times and shrinkage implications of concrete, Optiplan Base was pumped over rounded gravel then coated with two coats of Epoxy MT 100 primer and topped with EP Screed Epoxy Mortar. This allowed installation of the resin floor the very next day.

The flooring within the fuel rig testing areas was installed as a conductive system to mitigate any risk of fuel or vapour explosion within these volatile areas. These

areas were also made safe using Silicon Carbide as the anti-slip aggregate.

Specifier

CPMG Architects

Installer

IRL Group

Completion

Dec 2015