

Project Report

UCRETE® shields

Biocon

From Chemical and static hazard



The Chemical Company

Project:
Biocon Park, Bangalore

Client:
Biocon India Limited

Scope of Project:
Wall Rendering : 6700m²
Antistatic Flooring: 1350 m²
PU Wall coating : 4000m²
Coving : 2200m

Designers & Architects
Venkataramanan Associates

Contractor:
Brite Proofings Pvt. Ltd

Year Completed:
2006

Systems used:
UCRETE WR
UCRETE MF/AS
MASTERSEAL 351P

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Adding Value to Concrete



Project Description

Biocon is India's leading biotechnology enterprise. Over the past 25 years from an enzyme manufacturing company to a fully integrated biopharma focused on healthcare. They apply proprietary fermentation technologies for innovative and effective biomolecules in diabetology, oncology, cardiology & therapeutic segments. Turnover of the company is around 800 crores in 2005-2006.



Challenges

Biocon have state-of-art, CGMP compliant manufacturing facilities for diverse product portfolio of biopharmaceuticals and enzymes. The wall & floor area were exposed to fumes & spillages of various chemicals & solvents. The requirements are as below.

- High chemical resistance against solvents like Methanol, Ethyl acetate, IPA, Acetone, Methylene Di Fluoride & Toluene.
- High Impact & abrasion resistance
- Antistatic in nature
- Easy to clean

The Solution: UCRETE®

UCRETE® industrial flooring is a unique suite of products offering a range of surface profile and performance specifications. These systems have an exceptional resistance to aggressive chemicals, heavy impact and thermal shock.

UCRETE® industrial flooring has excellent resistance to a wide spectrum of chemicals including many organic acids and solvents that will rapidly degrade other types of resin flooring, including other polyurethane flooring systems.

UCRETE® industrial flooring is widely used in many areas where solvents are stored and handled because of the excellent resistance to a wide range of very aggressive solvents. Wherever solvents are used, whether in processes or for cleaning, there is a potential risk of explosive vapour/air mixtures forming. An electrostatic discharge can provide sufficient energy to ignite such a mixture, often resulting in an explosion.

System offered: UCRETE® WR & MF/AS.

Thanks to UCRETE® WR & MF/AS which satisfies all the requirements of the Biocon. After analyzing & testing all polymeric floors like Epoxy & traditional Polyurethane, finally they have selected UCRETE® WR & MF/AS.



System builds up

Wall Rendering:

Primer: Primer GC approx. 0.25 - 0.30 kg/m²

Top Coat: UCRETE® WR 3mm thick at 7kg/m²

Antistatic Floor:

Primer : Primer SC approx. 0.25 - 0.30 kg/m²

Top Coat: UCRETE® MF/AS 4mm thick at 8 kg/m²

Wall coating:

Putty: Acrylic Putty 1 kg/m²

Top coat: MASTERSEAL 351P at 0.2 - 0.25 kg/m² in 2 coats. The job was completed in around 6 month's time.

Customer satisfaction

The client is very satisfied with the cleaning, durability & resistance to solvents & antistatic property of the UCRETE® WR & UCRETE® MF/AS floor.