

Job reference

Floors fit for Food



Project:

Kout Food Factory at Sabhan

Client:

Kout Food Group

Scope of Project:

Industrial Flooring (Ucrete UD 200)

Applicator:

Coverdale

Year Completed:

2008

Products/system used:

Ucrete UD 200

Ucrete WR

Masterflex 460

 **BASF**

The Chemical Company

Project description

This project comprises the renovation and refurbishment of two existing buildings which will serve as the main food factory for the Kout Food Group. These buildings house bakeries, chillers, cold storage and food preparation areas, freezers, and more. The floors of the factory buildings, which measured approximately 3200m² with 4km of covings, thus needed to be durable, safe and hygienic.

In addition, the job needed to be completed within 3 months as it was due to be inspected by the American military (Arafjan Kuwait Camp) for hygienic approval in preparation for the fulfillment of a catering contract. BASF proposed the use of Ucrete UD 200.

Challenges

- Durability and resistance to aggressive chemicals, heavy impact and thermal shock
- Hygienic floor that will not support bacterial growth.
- Concrete substrate was weak.
- Coving was needed between the floor and insulation panel walls.
- Joints were needed all around gratings.
- Heavy duty, high impact resistant flooring was needed in the loading area

Solution

Von Arx machines (scabblers) were used to prepare the concrete substrate. Ucrete MF scratch coats were used where concrete was weak and Ucrete WR was used for the coving (9mm thick). Ucrete UD 200 was used at 9-12mm thicknesses for all parts of the factory. Mastertop 1240 + was used in the loading areas where heavy duty, high impact resistant flooring was needed, and Masterflex 460 was used as a joint sealant.

This was the first Ucrete job in Kuwait. It proved a success, achieving full approval from American military inspectors.



Products

- **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 UD200** is a single layer, seamless, solvent free, polyurethane flooring system. It has a textured matt finish possessing a wide spectrum of chemical resistance; withstands abrasive wear; has high impact resistance and withstands direct steam impact.
- **UCRETE MF** has a smooth matt surface finish, has high impact resistance, withstands abrasive wear and a wide spectrum of chemicals.
- **UCRETE WR** is for vertical surfaces and has a textured matt finish. It withstands abrasive wear and a wide spectrum of chemicals.
- **MASTERFLEX 460** is a two component polyurethane joint sealant. It is pourable and self-leveling. It is used together with **MASTERFLEX 460 PRIMER**, a two-component clear polyurethane.
- **MASTERTOP 1240 PLUS** is a multi component epoxy screed system designed to provide continuous protection for concrete floors in medium to heavy duty situations.



Advantages at a glance

- Fast, expert installation
- Will not support bacterial growth
- Monolithic - minimises joints
- Hygienic and safe
- Easy to clean
- High mechanical strength
- Impact and abrasion resistant
- Good chemical resistance
- Slip resistant
- Non tainting
- Excellent chemical resistance
- BASF provided the technical and after sales support
- BASF provided the total solution for the client

Customer satisfaction

Client was satisfied with the performance of BASF products, the implementation, the follow up, and especially with the colour match between the Ucrete UD 200 and the Ucrete WR products, which no other manufacturer could provide. According to the American Arafjan military inspector, this was: "one of the best, most hygienic floors he has seen in Kuwait".

