

BELZONA LINING FOR HEAT EXCHANGER SUMP

ID: 911



PROBLEM

The system required a sump for the waste water to pass through, and having drilled it from solid concrete, it had to be lined and sealed.

APPLICATION SITUATION

The hospital decided to recover heat from the waste water in their laundry by installing a heat exchanger.

APPLICATION METHOD

Application carried out in accordance with modified version of System Leaflet TCC-9. First a new base to the sump was created using a paving slab. Belzona® 4141 was applied to fill the damage caused by the drill cores. Belzona® 4181 was then screeded over the entire surface to provide heat resistance.

BELZONA FACTS

Prior to the Belzona solution they had been looking at trying to cement line then insert a stainless steel box liner.

INDUSTRY

Heating, Ventilation & Air Conditioning

LOCATION

Major Hospital, NE Scotland

APPLICATION DATE

March 2004

PRODUCTS

Belzona 4141 (Magma Build)
Belzona 4181 (Magma AR Screed)

SUBSTRATE

Concrete

PHOTOS

1. Sump drilled out
2. Cutting inlet and outlet channels to laundry drain
3. Walls rebuilt with Belzona 4141 and paving slab installed
4. Sump screeded with Belzona 4181

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