

# BELZONA LINING FOR HEAT EXCHANGER SUMP

ID: 911

**Industry:** Heating, Ventilation & Air Conditioning

**Application:** TCC-Tanks and Chemical Containment Areas

**Substrate:** Concrete

**Products:** \* Belzona® 4141 (Magma Build) ,  
\* Belzona® 4181 (Magma AR Screed) ,

**Customer Location:** Major Hospital, NE Scotland

**Application Date:** March 2004

## 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.



## Photograph Descriptions

- \* Sump drilled out ,
- \* Cutting inlet and outlet channels to laundry drain ,
- \* Walls rebuilt with Belzona® 4141 and paving slab installed ,
- \* Sump screeded with Belzona® 4181 ,

## 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.

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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