

Project:

Repair and protection of a buffer tank at Vion meat processing factory

Location:

Boxtel (Netherlands)

Project completed:

2018

Owner/s:

Vion

Applicator/Contractor:

Servicis

Market sector:

Industry

Products used:

MasterEmaco S 480

MasterSeal 7000 CR system

VION FOOD GROUP

Repair and protection of a buffer tank



Our reference in Boxtel, Netherlands: repair of a buffer tank

The background

Vion is an international meat producer with pig slaughtering operations, based in Boxtel.

The animal waste in the buffer tank was highly aggressive and had therefore impacted the concrete (so that the covering was only 2 cm in thickness). This meant that the acid in the waste could attack the reinforcement.

The challenge

The concrete in the tank was seriously damaged and therefore urgently in need of repair.

The tank had also to be protected from aggressive acid in the animal waste.

As the buffer tank is an important part of the slaughtering process, the repairs had to be conducted at very short notice. The tank had to be made fully usable within one and a half weeks.

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VION, meat processing

Repair and protection of a buffer tank



Our reference project at Vion, Netherlands: repair of a buffer tank.

Our solution

The concrete was repaired with MasterEmaco S 480 structural concrete repair mortar, class R4. This was subsequently applied using the wet spray method until a layer of 4–5 cm as protective cover on the rebars was restored.

MasterSeal 7000 CR was applied as a crack-bridging protective coat on the complete concrete surface of the tank thanks to its unique chemical resistance properties.

Benefits to the customer

- We were able to meet the tight deadline, thanks to the excellent curing time of MasterSeal 7000 CR.
- MasterSeal 7000 CR can be applied quickly and easily – a major benefit in view of the tight schedule.
- MasterSeal 7000 CR has a high level of chemical resistance and therefore offers ideal protection against aggressive acid in animal waste.
- MasterEmaco S 480 is a repair mortar that restores concrete to its original structural condition.

Projects facts at a glance

- Repair of concrete and reinforcement with MasterEmaco S 480.
- Protection from acid in animal waste through the MasterSeal 7000 CR protective coat.
- Total area: 350 m².

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