

**Project:**

Wastewater Inlet Chamber

**Location:**

Suffolk

**Owner/s:**

Anglian Water

**Applicator/Contractor:**

SCH Maintenance

**Market sector:**

Wastewater Industry

**Products used:**

MasterSeal 7000 CR based on Xolotec technology comprising: MasterSeal P 770 Primer MasterSeal M 790 Topcoat

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## Wastewater Inlet Chamber, Suffolk

### Waterproofing and concrete protection of chamber walls



Our reference in Suffolk (United Kingdom): Wastewater Inlet Chamber

#### The background

The waste water inlet chamber had shown signs of biogenic sulphuric acid corrosion which had eroded the concrete lining. The structure required the concrete to be relevelled and protected with a coating resistant to this form of attack from Anaerobic bacteria.

#### The challenge

The contract required the removal of all existing contamination back to sound concrete and levelled with a cementitious mortar to re-profile the concrete surface.

A moisture tolerant primer was required that could be applied onto a hardened mortar with a high relative humidity.

A moisture tolerant, flexible top coat was required with a proven resistance to biogenic sulphuric acid attack.

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# Wastewater Inlet Chamber, Suffolk

## Waterproofing and concrete protection of chamber walls



Our reference in Suffolk (United Kingdom): Waste Water Inlet Chamber

### Our solution

The concrete surface was treated with high pressure water to remove all contaminants and levelled with a cementitious mortar to re-profile the concrete surface. After 3 days MasterSeal 770 primer, followed on consecutive days by 3 coats of MasterSeal 790 top coat; initially Red, followed by two coats of Grey.

### The customer's benefit

- MasterSeal 770 primer can be applied onto a solid, surface dry but damp; concrete or repair mortar.
- MasterSeal 790 will resist biogenic sulphuric acid corrosion whilst remaining flexible to accommodate seasonal thermal movement.

### Projects facts at a glance

- Waste Water Inlet Chamber in Suffolk
- Xolutec technology
- Moisture tolerant Primer and Topcoat applied; resistant to biogenic sulphuric acid corrosion

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