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**LOBIC**



**Revolutionising sewer  
rehabilitation through  
market-leading solutions**



The UK water sector faces unprecedented challenges that cannot be addressed by traditional ways of working or thinking. Ipsum prides itself on its innovation-driven ethos, building partnerships, embracing new technologies and utilising market-leading products to resolve critical problems faced by our customers.

OBIC is a leading innovator in advanced coating solutions. It's changing the way we approach the rehabilitation and structural reinforcement of critical assets such as manholes, tanks and bunds, across all industries.

Our exclusive partnership with OBIC means that these cost-effective, no-dig solutions aren't available anywhere else on the UK market.

 ipsum

 OBIC



# The OBIC Armor System

The OBIC Armor System offers a fast, easy, and cost-effective solution for repairing and preventing damage in municipal and industrial sewers and potable water systems.

This multi-layer lining system consists of a robust core of OBIC 1306 (6–8 pound closed-cell foam) sandwiched between two layers of OBIC 1000 (flexible polyurea). The spray-applied OBIC 1000 & 1306 cures quickly, making it the ideal choice for rapid rehabilitation projects with minimal downtime.

## OBIC 1000

A fast-set, spray applied, two component polyurea that is 100% solids and contains Zero VOCs. It has:

- Excellent corrosion protection and chemical resistance.
- Excellent impact resistance even in sub-freezing weather.
- High abrasion resistance for harsh environments.
- Seamless monolithic waterproof membrane that is tough and durable.



# How it works

1. The structure is prepped using high pressure water.
2. The asset frame is cleaned and the primer is installed.
3. All leaks are stopped.
4. The structure is dried to a saturation of surface dry.
5. Then the adhesion layer is applied. This is the first coat of OBIC 1000 is applied at a thickness of 1mm. This layer is attached to the bottom portion of the manhole casting to provide a monolithic liner.
6. Next the surfacing layer is applied. This is the OBIC 1306 (closed cell foam) and the layer is about 16mm thick.
7. The OBIC Armor System is completed by applying the final barrier layer of OBIC 1000 at a wet film thickness of 2mm. The complete OBIC Armor System is approximately 20mm thick.
8. The final step of the process is validating the installation by stamping both the date of the liner installation and the OBIC logo into the liner.

## OBIC 1306

OBIC 1306 is a spray applied, two component polyurethane surfacing layer.

- Excellent for stabilizing masonry surfaces
- Dense closed cell foam
- Seamless rigid polyurethane for rehabilitation of concrete and steel structures

# The benefits

Chemical  
resistance

Waterproofing

Duality &  
abrasion  
resistance

Fast cure time

Flexible material

Longevity

Seamless  
application

Eliminates  
chimney seals

No VOCs



# OBIC products

## OBIC 1200

A 1:1, fast-set, spray applied, two component polyurea / polyurethane hybrid coating that is 100% solids and contains zero VOCs. Once cured, it has:

- A semi structural monolithic coating for culvert and pipeline rehabilitation
- Excellent impact resistance and abrasion protection
- Seamless monolithic waterproof membrane that is tough and durable

## OBIC 1100

OBIC 1100 is specifically designed for potable water system applications, including storage tanks, food industry applications and treatment facilities. This high-performance solution not only rehabilitates aging structures but also creates a durable barrier against future corrosion, extending system life by decades.

Rapid cure time, minimising downtime and allowing your water systems to return to service quickly and efficiently.

# OBIC 5000

A 100% solid lining that reinstates structural integrity, provides infiltration control, corrosion resistance and asset life extension of concrete, steel, masonry and other substrates. Bonded, fast-set, spray applied two component glassfiber reinforced polyurethane.

- Quick return to service
- Applied up to 250 mils on a single deployment
- Structural monolithic coating for culvert and pipe line rehabilitation
- High abrasion resistance for harsh environments
- Seamless monolithic waterproof membrane that is tough and durable



**OBIC is exclusively available across the UK, Ireland and the Channel Islands via Ipsum.**

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Download our  
Water brochure