



Technology, comfort and high performance

SELF-CLEANING PUBLIC TOILETS
for Urban Environments



Different options of exterior and interior finishing, lacquered, with anti-graffiti protection, resistance to UV and decorative vinyls.

A self-cleaning, modern, urban and public toilet.

Without bad smells. More comfortable. Better lit. Vital and functional, with universal accessibility, interior space in practical and light colours.

GENERAL CHARACTERISTICS

Oblong cabin for mixed use of 2600mm high x 2600mm wide x 4200mm long, **anti-vandalism and adapted for the disabled**, with a 1800mm turning diameter to comply with European ruling on accessibility regulations.

The structure of self-supporting panels of fire-resistant high-performance composites, with galvanised steel and thermal insulation.

Cover and interior roof of fire-resistant high-performance composites, with fixed skylight type bivalve of 430 x 430mm and lacquered aluminium internal, hinged hatches for ease maintenance.

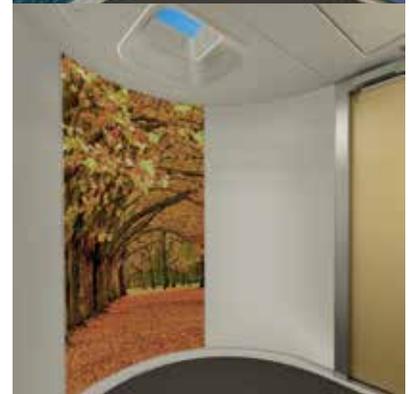
Armoured and hinged access door (950mm free passage) of fire-resistant high-performance composites, with galvanised steel frame interior and automatic closing.

Naval type flooring of linoleum non-slip (in wet and dry) and drainage system of AISI 304 stainless steel.

Technical room with interior access by a hidden swing compact laminate HPL panel door, provided with electrical outlet and a tap to facilitate clean-up and maintenance operations.

Different options of exterior and interior finishing, lacquered, with anti-graffiti protection, resistance to UV and decorative vinyls.

Approximate net weight of 1300 Kilos, suitable for its installation over practicable cover.







MAIN EQUIPMENT

Anti-vandalism washbasin made of fire-resistant high-performance composite. AISI 304 **stainless steel sink and Silestone worktop** with a proximity sensor for dispensing water and drying hands

Manual liquid soap dispenser, with vertical drive and anti-dripping valve.

Stainless steel built-in wastebasket with automatic self-locking to avoid the combustion.

Retractable hangers with capacity to support 20 kg of weight.

AISI 304 **stainless steel built-in** biodegradable paper dispenser.

Inclined mirror with shiny finish of AISI 304 stainless steel, to facilitate the use of the disabled.

Compact vitreous china wall-hanged toilet bowl with horizontal outlet, with compact HPL crown, automatic flushing and disinfection system (interior and exterior).

Fast-drying of the toilet seat and the perimeter floor to avoid undesirable wettings.

Folding and fixed wall handrails, of AISI 304 stainless steel and colour contrast for visually impaired.

Internal air renewal by extractor, ventilation capacity of 180 m³/h.

Ozone generator for disinfection and deodorization.
Digital display to indicate time limit.

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SECURITY AND MANAGEMENT

General lighting through spots with LED technology, activated by volumetric sensor (include exterior lighting to locate the toilet).

Ambient light through hidden LED strips with dim light when the toilet isn't used.

Programmer clock for the timetable and the time limit of use (adjustable), with automatic unlocking system of the access door.

Acoustic warning with voice module for different actions.

Automatic, programmable and independent cleaning cycle, with access door locking.

Two electrical emergency call buttons positioned at different levels and with external visual warning of alarm.

Electrical button for the water flush on the toilet bowl.

Outdoor indicator free / busy / out of service.

Exterior door lock with key and internal door lock with pseudo-mechanical system.

Emergency lighting system included in the equipment room.

Function control by a ABB PLC automate.





TECHNOLOGY AT THE SERVICE OF COMFORT

The modern materials facilitate the creation of the new generation of ZELIN Urban public toilets, **designed for a high-frequency of use, with a more welcoming and pleasing aesthetic**, adding comfort and greater functionality for the users.

Interior spaces adapted for the disabled, **practical and light colours to create a warmer and more comfortable atmosphere, rather than industrial or claustrophobic**. Well-lit and without bad smells or temperatures using naval type linoleum non-slip floors and the perimeter of the toilet bowl always dry to avoid undesirable wettings.

WHY AN OBLONG CABIN?

The new proposals avoid the hardness of straight lines, preferring the curves for its **harmony, elegance and flexibility**. They suggest warmth and comfort and are **able to camouflage in any urban environment**. On the other hand, the angular buildings contrast with the nature and they are kept separated and detached. On this basis, **Zelin has designed an oblong cabin more natural, achieving a warm and comfortable environment, no claustrophobic, that transmits familiarity and security to users**.

INNOVATIVE CONSTRUCTION SYSTEM

Zelin develops toilets taking into account the possibility to make its local integration in several countries.

It is formed by a set or KIT of 35 functional units, each of them with the suitable weight to make easier their handling and **assembly on site, with only two persons**.

This constructive solution allows, optimizing the logistics, improving delivery times and counting on the presence of a local partner who has the technical ability and the enough training to offer a **good after-sale service** and quickly response to incidents.

FIRE-RESISTANT HIGH-PERFORMANCE COMPOSITES.

It's a synthetic material of high dimensional stability, **usually used in applications that demand high performances**: aeronautic and aerospace industry, military vehicles, high and low-speed rail transport, wind turbine, singular constructions, etc.

Its antiseptic properties, its ease of cleaning and disinfection also allow its utilization in the medical and hospital equipment, where the hygiene and the bacterial control are essential.

Its surface is inalterable and neither is attacked by disinfectants or sanitizers of different categories of sterilizers or with any type of ph.

STRUCTURAL AND OPTIMIZED BEHAVIOUR

The structure of self-supporting panels, the metals rationalization and the use of fire-resistant high-performance composites do the self-cleaning public toilet ZELIN a sustainable product with the suitable weight for modern urban locations, **of high durability and mechanical strength offering excellent resistance to both corrosion and degradation**.

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