**SOLARI sanitary cubicles by ALSANIT Technical Data – design description**

**PRODUCT**:

Sanitary cubicles model SOLARI by ALSANIT ul. Wieleńska 2, 64-980 Trzcianka. The SOLARI system has a European Technical Assessment and is marked with the CE symbol.

**DESIGN**:

Cubicles with increased resistance to damage, intended for toilets with high traffic. All C-0 anodized aluminium profiles. Only profiles with a RoHS declaration may be used.

The system has hinges with a gravity self-closing mechanism that ensures that the open doors return to the front plane of the cubicles. All elements are connected exclusively using TORX screws, which makes the joints resistant to unwanted loosening.

**DOORS AND FRONT WALLS:**

The doors and front walls are made of specially shaped aluminium profiles and plates:

- HPL (High Pressure Laminate) 10/12 mm,

- MFC (Laminated Chipboard) 18/28mm

MFC boards are edged without the use of glue, using HOT AIR technology and a special melting veneer that ensures the highest durability parameters and protection against moisture.

The closed door rests on a house element with a sound-absorbing rubber seal; doors without sound-absorbing elements are not allowed. The doors are flush with other elements of the cabin front and provide an even surface when closed. The front walls are attached to the walls of the room only by "C"-shaped aluminium profiles, which ensures adequate stiffness and eliminates gaps.

The cubicles are connected with an upper bracing profile.

**PARTITION AND SIDE WALLS:**

Partition and side walls are made of HPL laminates and MFC boards in the colour of the front. Combining or mixing materials is allowed provided that the colours match appropriately.

**FITTINGS:**

The aluminium hinge (anode C-0) has a self-closing mechanism in the form of a polyamide insert and a hardened steel pin with a diameter of 6 mm to ensure durability for 200,000 opening/closing cycles. The polyamide insert in the hinge reduces friction and ensures high durability of the hinge. The hinges are mounted to the narrow edge of the board in 2 or 3 pieces per door leaf. Hinge cylinder with a diameter of 14 mm ± 1 mm, hinge height of 92 mm ± 1 mm ensure a minimalist appearance from the outside.

Adjustable aluminium brackets with a height of 180 mm make it possible to easily level the walls. The stainless steel core ensures long-term use without the need for maintenance. Aesthetic rounded body and an anodized aluminium cover in a shade identical to all aluminium elements. The diameter of the bracket body is 20 mm, the diameter of the cover is 23 mm. Supports for 10-18 mm boards are mounted to the side of the board, for boards 28 mm and thicker they are screwed into the core of the board. The bracket pin is sunk into the floor to a depth of approximately 15 mm. Optionally, a rosette mounted on two expansion pins, covered with an aluminium cover, can be used.

The lock handle is a specially designed combined lock and handle made of high-quality polyamide and aluminium. The door handle has occupancy indicators (white and red) and the possibility of emergency opening from the outside. The rotation angle of the bolt is 180, the diameter of the lock handle is 50 mm ± 1 mm to ensure optimal grip of the element.

**STANDARD DIMENSIONS:**

Door width: 800 mm Depth: min.1150 mm max.1500 mm - HPL 1600 mm - MFC Height: max.2000 mm (up to height beams)

Standard dimensions can be modified.

**COLOURS:**

Boards and profiles consistent with the colours on the ALSANIT offer or website