

## TECHNICAL DESCRIPTION OF THE AIR TIGHT ACCESS PANEL AND ITS MATERIALS

The air tight access panels are classified according to the EN13964:2014 norm, and made of the following materials:

### A GYPSUM PLASTERBOARDS MOISTURE RESISTANT

Gypsum plasterboards with water repellent additives in the core combined with silicone in order to reduce the water absorption. Laminated with a special light green paper board on the facing surface and greyish green on the back. The access panels can have a thickness of 13mm and 15mm.

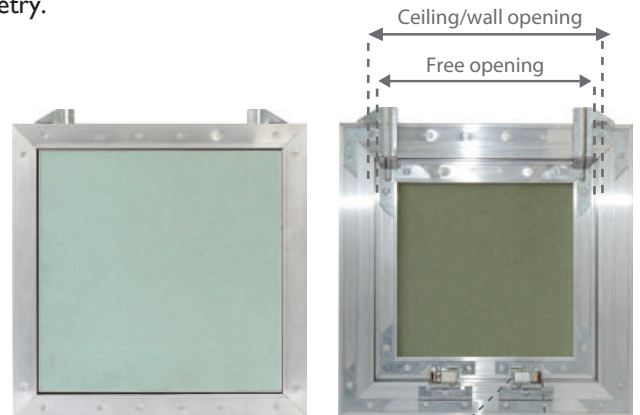
MEASURES Standard		OPENING Ceiling/Wall		OPENING Free		WEIGHTS Kg
x	y	x	y	x	y	13mm
250	250	260	260	230	230	1,30
300	300	309	309	280	280	1,70
400	400	409	409	380	380	2,60
500	500	509	509	480	480	3,40
600	600	609	609	580	580	4,30

### A1 APPLICATION

Ideal for building systems areas that need to be air-tight and dust-tight or/and for humid locals with extreme hygrometry.

### A2 TECHNICAL CHARACTERISTICS

- Water absorption on immersion → <5% in weight
- Water superficial absorption → <180 g/m<sup>2</sup>
- Paper board on the face surface → light green
- Paper board on the back → grey
- Coef. of thermal conductivity → 0,25 W /mK
- Designation → H1 type (EN 520)
- Width → 1.200 mm
- Fire Reaction → A2-s1-d0
- Water vapor resistance (μ) → 10 (EN 12524)
- Bead kind longitudinal → square (BC)
- Bead kind transversal → square(BC)



Tic-Tac lock

### B ALUMINIUM FRAME STRUCTURE

The whole structure of the access panels is made with a 1.5mm thickness raw aluminium frame.

### B1 MECHANICAL TECHNICAL CHARACTERISTICS ( EN 755-2 norm)

Elasticity Limit Rp (Mpa)	Traction resistance Rp (Mpa)	Elongation A(%)	Minimum Hardness (Hb)
150	190	8	70



## B2 SPECIFIED CHEMICAL COMPOSITION (EN 573-3)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	XX
Min.	0.30	0.10	0.00	0.00	0.35	0.00	0.00	0.00	-----
Max.	0.60	0.30	0.10	0.10	0.60	0.05	0.15	0.10	0.15

## C GALVANIZED SHEET ACCESSORIES

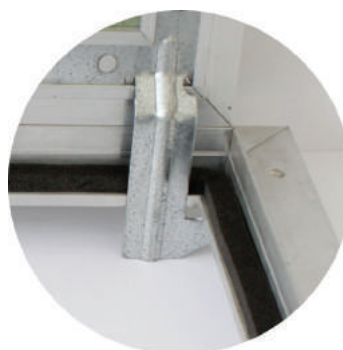
All accessories of the access panels are made of galvanized sheet, as the squares (bonding elements of the aluminium frame) locks, etc...

## C1 GALVANIZED SHEET CHARACTERISTICS (EN 10204 /DIN50049/ISO 404)

- Quality.....**DX 51 D+Z I 40 NA O**
- Coatings.....140 (g/m<sup>2</sup>) (EN 10346:2009 norm)

## D AIR-TIGHT TAPE

The tape applied between the aluminium frames of the access panels is a polyurethane foam with a density of 60kg/m<sup>3</sup>, that tape stops the passage of air and dust.



All materials are of high quality, duration, non oxidation and resistant to the thermal humidity factor.

