

TECHNICAL DESCRIPTION OF THE ACOUSTIC 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 ACOUSTIC GYPSUM BOARDS

Laminated acoustic gypsum boards are made of paper board in both sides and plaster of natural origin in the core, the latest is additivated in order to have the best acoustic performances.

These boards have a nominal thickness of 13mm.

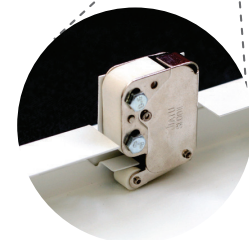
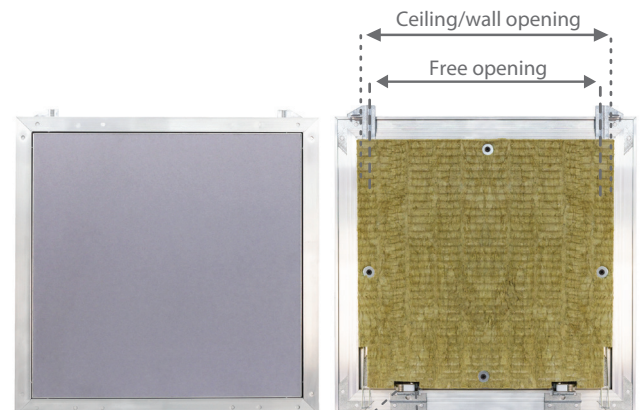
MEASURES Standard		OPENING Ceiling/Wall		OPENING Free		WEIGHTS Kg
x	y	x	y	x	y	13mm
250	250	260	260	230	230	1,900
300	300	309	309	280	280	2,615
400	400	409	409	380	380	4,245
500	500	509	509	480	480	6,255
600	600	609	609	580	580	8,345

A1 APPLICATION

Ideal for dry construction application systems, in places with acoustic isolation, fire resistance and air-tight needs.

A2 TECHNICAL CHARACTERISTICS

- Surface hardness → Marca < 15mm Ø
- Water superficial absorption → <180 g/m²
- Paper board on the face surface → blue
- Paper board on the back → grey
- Coef. of thermal conductivity → 0,25 W /mK
- Designation → I-D type (EN 520)
- Width → 1.200 mm
- Fire Reaction → A2-s1-d0
- Water vapor resistance (μ) → 10 (EN 520)
- Bead kind longitudinal → square (BA)
- Bead kind transversal → square(BA)



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 140 NA O**
- Coatings.....140 (g/m²) (EN 10346:2009 norm)

D ROCK WOOL

Thermal and acoustic insulation, protective against fire ; to apply in high temperature situations.

Fire reaction.....Classification A1; fireproof according to the Euroclasses (EN 13501-1)

Maximum temperature of utilization.....680°C in continuous scheme.

Corrosion.....no corrosive in metals presence. Situated in an acceptable zone in Karnes' curve, according to ASTM C-795, C-871.

Density.....100Kg/m³

E AIR-TIGHT TAPE

The tape applied between the aluminium frames of the access panels is a polyurethane foam with a density of 60kg/m³, that tape stops the passage of air and dust.

