

THECNICAL DESCRIPTION OF THE RF/EI30 TVS ACCESS PANELS AND ITS MATERIALS

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

DIMENSIONS Standard		OPENING Ceiling/Wall		OPENING Free		WEIGHT
x	y	x	y	x	y	Kg
200	200	205	205	200	200	1,30
300	300	305	305	300	300	2,40
400	400	405	405	400	400	3,80
500	500	505	505	500	500	5,20
600	600	605	605	600	600	7,80

*We also produce special measures (on demand)

Fire resistance : Classification EI30 based on the (EN 13501-2: 2004) norm

A FIRE DAMPER GYPSUM PASTERBOARD

Plasterboard plates which are resistant to fire are made of a glass fibre reinforced gypsum plate. Laminated with pink paperboard in the exposed side, BA15 type and a nominal weight of 13 kg/m².

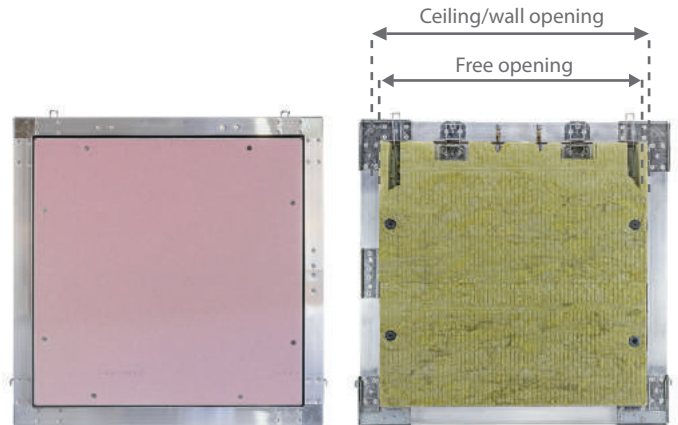
These access panels are made of one 15mm board.

A1 APPLICATION

Ideal for construction application systems when high fire damping performance are needed.

A2 TECHNICAL CHARACTERISTICS

- Front paperboard → pink
- Back paperboard → grey
- Coef. of thermal conductivity → 0,25 W /mK
- Designation → F-D type (EN 520)
- Width → 1.200 mm
- Fire Reaction → A2-s1-d0
- Water vapor resistance (μ) → 10 (EN 12524)
- Bead kind longitudinal → refined (BA)
- Bead kind transversal → square (BC)



B 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

C ALUMINIUM FRAME STRUCTURE

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

C1 MECHANICAL TECHNICAL CHARACTERISTICS (EN 755-2 STANDARD)

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

C2 SPECIFIED CHEMICAL COMPOSITION (%) (EN 573-3 STANDARD)

	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

D GALVANIZED SHEET ACCESSORIES

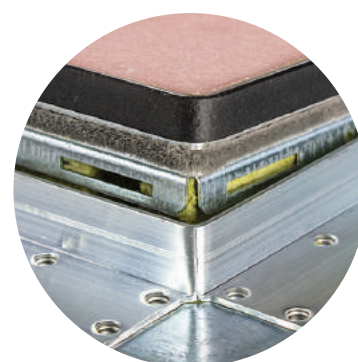
All accessories of the access panels are made of galvanized sheet, as the squares (bonding elements of the aluminium frame) locks, etc...

D1 GALVANIZED SHEET CHARACTERISTICS (EN 10204 /DIN50049/ISO 404)

- Quality.....**DX 51 D+Z 140 NA O**
- Coatings.....140 (g/m²) (EN 10346:2009 norm)

E INTUMESCENTE TAPE

The intumescent tape is a fire damper material applied between the aluminium tyres of the access panels. When exposed to heat, from 150°C, its volume can increase to 10 times of the initial thickness; it makes an efficient barrier against fire, smoke and hot gases which can pass through the gaps of the fire rated element in which it's applied. This tape is organic solvents free and self-expandable. One band with 10 mm in width and 2mm in thickness is applied to all the perimeter of the structure.



All these materials provide a product with quality regarding its duration and fire resistance.

