



FIRELOCK EXPLODER

The **Firelock Exploder** is an overpressure flap for relieving pressure in a building in the event of an explosion, installed in skylights or on the facade. It is manufactured in accordance with the EN ISO 9001:2015 manufacturing standard. It is operated by a safety relief valve set to the required release force. The flap is secured with a stainless-steel cable against tearing out. When opened, the device releases the internal pressure, preventing the consequences of damage to health.

The **Firelock Exploder's** corrosion-resistant construction is made of high-quality recyclable materials, with aluminum sheets, extruded aluminum profiles and multiwall polycarbonate sheets with high resistance to hail impact and excellent soundproofing properties as the main components.

The **Firelock Exploder** features high quality perimeter EPDM gaskets which, in conjunction with the sophisticated frame design, not only ensure that the unit is leak-proof in the rain, but also ensure low air leakage losses and a significant reduction in sound emissions.

The Firelock Exploder is available in a variety of sizes, with a range of sash fillings and flange designs. Its unit variability allows it to meet virtually any customer requirement, providing high efficiency at optimum value.

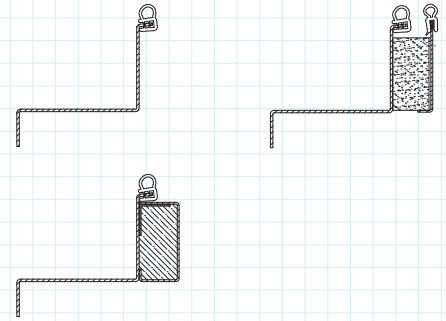


FIRELOCK EXPLODER

The **Firelock Exploder** consists of a frame with all-round EPDM seals, a pressure-locked fixed opening sash and can be equipped with a fall-through guard as a possible accessory.

The unit base is available in 4 versions:

- I1 Uninsulated base
- I2 Insulated base with 30 mm thick thermal insulation
- I2+ Insulated base with 30mm thick thermal insulation and additional insulating tape glued to the bottom of the frame to protect against condensation
- I3 Thermally insulated base with 30mm insulation
- IS Base and flange design according to customer requirements

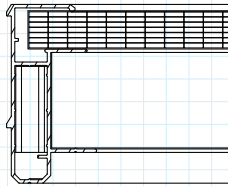


The flap is available in 4 versions:

• **P20/7**

Aluminum frame glazed with seven-wall polycarbonate sheets

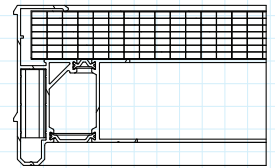
Thickness: 20 mm
 Finish: clear or opal
 U-value: 1,55 W/m²K
 G: 0,24 - 0,36



• **P32/7**

Aluminum frame with interrupted thermal bridge, glazing with seven-wall polycarbonate sheets

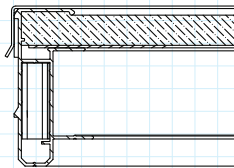
Thickness: 32 mm
 Finish: clear or opal
 U-value: 1,1 W/m²K
 G: 0,24 - 0,36



• **A2**

Aluminum frame glazed with sandwich construction of aluminum sheet and thermal insulation in the design of dark flap

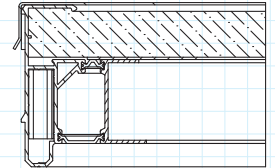
Thickness: 20 mm
 Finish: Al natural or RAL coating
 Thermal insulation: mineral wool
 U-value: 1,21 W/m²K



• **A3**

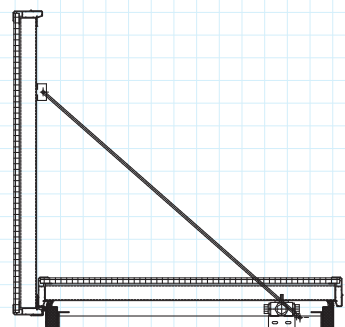
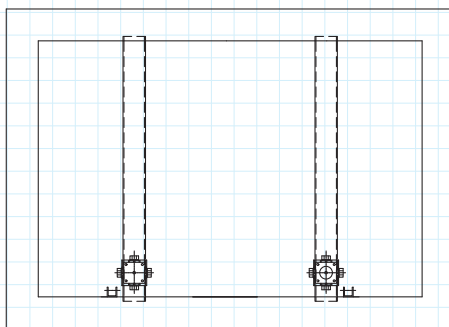
Aluminum frame with interrupted thermal bridge, glazed with a sandwich construction of aluminum sheet and thermal insulation in the design of dark flap

Thickness: 30 mm
 Finish: Al natural or RAL coating
 Thermal insulation: mineral wool
 U-value: 0,88 W/m²K



Main features and benefits

- Wide range of sizes and variants
- Very wide range of application possibilities and installation options, e.g. in arched skylights, shed roof constructions, saddle skylights or as individual units on base systems or in the building facade
- High functional reliability and stability
- High-quality components „ Made in Europe “
- Optimized thermal insulation properties
- Adjustable release force of the safety relief valve
- Hail impact resistance
- High sustainability
- Low weight
- Color variability according to RAL
- Easy installation
- Low cost of maintenance from the roof
- Optimal price-performance ratio



Technical specification:



Width 500 to 1500 mm
 Length 1000 to 2500 mm



Release force
 according to customer
 requirements 250 - 1000 N