



EVAC+

All possible solutions
on site



Experience and technology

Molecor is a company dedicated to the channelling and utilisation of water throughout the Water Cycle. We are a team of experts in water collection and distribution systems. We have been leaders in the sustainable management of water for over 100 years, focusing on energy efficiency throughout the process, quality of life and the saving of water. We provide innovative solutions for each application, providing extensive services of promotion, advice and support in the sectors of water engineering and management, construction and distribution. Our added value is the permanent commitment to innovation and technology, such as the SANECOR® PVC sewage system, the PVC-Oriented pipe TOM®, the PVC-Oriented fittings ecoFITOM®, the AR® soundproof evacuation system and the EVAC+® evacuation system. Our objective is to work on a daily basis to win the trust of our customers through appropriate solutions and a personalised service.



EVAC+ Evacuation system

All possible solutions on site



Multi access drain
floor gully



Access T branch
M-F 87° 30'



Single access and
expansion socket M-F



Access elbow
F-F 45°



Corner branch
M-F 45°



Elbow M-F 45°
double side intake



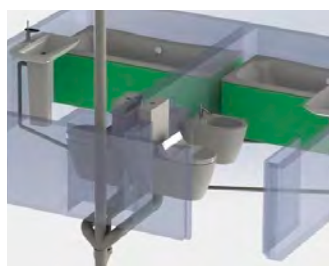
Elbow M-H 87° 30'
with elastic joint



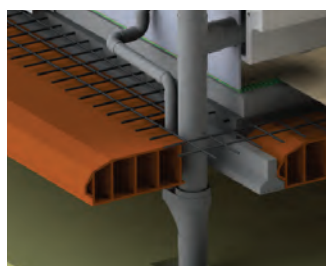
Threaded
access plug



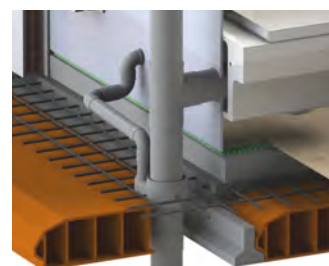
Multi-Connection
branch



Example of symmetrical
installation



Example of installation
under formwork



Example of recessed
installation

We bring added value to the system as experts in the manufacture of pipes and fittings

The classification obtained by the EVAC+® evacuation system is **B-s1,d0**, the **highest classification that a plastic material can obtain**, which indicates that the system can be placed anywhere in the building without any additional protection.

Not all plastics have the same behavior against fire; there are plastic materials that spread the flames during the fire and contribute to its extension.

The EVAC+® evacuation system, made of PVC-U with flame retardant compounds, reduces the spread of fire.

The reaction to fire according to UNE-EN 13501-1 is classified as follows:

Material fire reaction:

- A1 = Non-combustible. No maximum contribution to fire
- A2 = Non-combustible. No minor contribution to fire
- **B = Combustible. Very limited contribution to fire**
- C = Combustible. Limited contribution to fire
- D = Combustible. Average contribution to fire
- E = Combustible. High contribution to fire
- F = Unclassified

Smoke production rate:

It is the maximum value of the ratio of the smoke production speed per sample and the time during which it has occurred.

- **s1 = 30 m²/s²**
[low, slow opacity]
- s2 = 180 m²/s²
[average opacity]
- s3 = No behavior, or not complying with S1 and S2
[high, fast opacity]

Flaming droplets or particles:

Measures the production of flaming droplets/particles.

- **d0 = No flaming particulate droplets are produced within 600s**
- d1 = No flaming particulate droplets, with a persistence of 10s, are produced within 600s
- d2 = No behaviour, or not complying with d0 and d1

NF Me, safety French brand against fire for the EVAC+® evacuation system: one more step in fire protection in buildings

The **NF Me** brand, awarded by an accredited independent agency, certifies a **minimum expansion capacity of 800% of the pipe wall or the fitting wall, under the effect of temperature**. This property allows to obstruct the channeling in case of fire and thus restore the short-flame character of the wall. Pipes are naturally a point of passage of fire through walls.

Therefore, both elements must restore their short-flame character. The pipes and fittings that have this certification, have the property of increasing their thickness due to very high temperatures. **In case of fire, this feature allows the certified product to “swell” inside and thus restore the short-flame character of the wall.**

To obtain this mark it is necessary to satisfy two simultaneous conditions:

1. On one side, minimum classification in Euroclase B-s3, d0, according to standard UNE-EN 13501-1.
2. On the other hand and as mentioned above, obtain a higher rate of expansion 800% of the initial wall thickness of the tube or fixture.



Regulation and certification

One of Molecor's main objectives is to offer products and services of the highest quality, which is why certification is integrated into its global strategy. Molecor holds **AENOR** and **IQNet** certificates of compliance with **ISO 9001** and **ISO 14001** standards for the design, manufacture and sale of plastic products for sanitary, drainage and supply applications.



The EVAC+® evacuation system has the following **AENOR product certifications**:

- **UNE-EN 1453-1**: Unplasticized poly(vinyl chloride) (PVC-U) with structured wall pipes for soil and waste discharge (low and high temperature) inside buildings.
- **UNE-EN 1329-1**: Unplasticized poly(vinyl chloride) (PVC-U) pipes and fittings for soil and waste discharge (low and high temperature) within the building structure.
- **UNE-EN 13501-1**: Fire reaction for unplasticized poly(vinyl chloride) (PVC-U) pipes and fittings for soil and waste discharge within the building structure.

See certified product range:

