



All possible solutions on site



## EVRC+ SYSTEM 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



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

The classification obtained by the EVAC+<sup>®</sup> 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+<sup>®</sup> 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 m<sup>2</sup>/s<sup>2</sup>

#### [low, slow opacity]

• s2 = 180 m<sup>2</sup>/s<sup>2</sup>

#### [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+<sup>®</sup> 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**

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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+<sup>®</sup> 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(vinul chloride) (PVC-U) pipes and fittings for soil and wastre discharge within the building structure.

See certified product range: AENOR AENOR AENOR AENOR AENOR Product Certificate Plastics AENOR Product Certificate Plastics AENOR Product Certificate Plastics AENOR Product Certificate Plastics Ŋ Ŋ Ŋ Ŋ 001/00731 001/007320 001/00731 MOLECOR CANALIZACIONES S.L. MOLECOR CANALIZACIONES S.L. MOLECOR CANALIZACIONES S.L. MOLECOR CANALIZACIONES S.L supplies Unplasticized poly (simplicitioside) (PVC-U) with struct sall and watte discharge (low and high temperature) supplies Unplasticized polyheted chloride) (pvc-o) pipes for soil and worke discharge (low and high temperature) within the building structure for the Fire reaction for unplasticiand poly (singl chlorid and waste discharge within the building structur for the Fire maction for unplasticized poly (simplicities) of pipes for soil and waste discharge within the OR contract 003,000021 Trademark ADEQUA Euroclam B-s1, dD NOR contract 000,00000 Trademark ADEQUA Lutoclass B-s1, dD ADDQUA B 32 - 40 - 50 - 63 - 75 - 80 - 90 - 120 - 120 - 125 - 340 - 160 - 200 PJ. Alors - AV. de los Vinos, 24 13600 Alcánar de San Juan - Ciodad Real (España) P1 Alors - AV. de (España) P.1. Alors - AV. If seafal P1 Alors -In order to grant this Certificate, AZNOR has tested the product and has verified the quality system implemented for its manufacture. AZNOR proform these tasks periodically while the Certificate has not been carefield, its associators with Specific Rules IP 0114. cențicate, AZNOR has tested the product and ha stien implemented for its manufacture. AZNOR periodically while the Certificate has not been 'se with Specific Rules RP 01.62. In order to grant this verified the quality of performs these task cancelled in accord In order to grant this Certificate, AEMOR has tested the product and has weight the quality optimum implemented for the manufacture. AEMOR performs these tasks periodically while the Certificate has not been cancelled, in a scardanov with Secrific Palate  $10^{-0.4}$   $^{-0.4}$ Instituted on 2021-11-12 Validity date 2025-07-20 First issued on 2021-11-12 Validity date 2026-04-05 Instituted on 2021-11-12 Validity date 2026-06-05 und on 2021-11-12 tr date 2025-07-20 July -July -July -July-Rufael GARCIA MERCO Chief Executive Officer Rafael GARCIA MERI Chief Executive Office AENOR AENOR AENOR AENOR AENOR Product Certificate Plastics AENOR Product Certificate Plastics AENOR Product Certificate Plastics AENOR Product Certificate Ŋ Ν Ŋ Ŋ 001/007327 MOLECOR CANALIZACIONES S.L. MOLECOR CANALIZACIONES S.L. MOLECOR CANALIZACIONES S L MOLECOR CANALIZACIONES S I supplies Unplanticized poly/simpl chloride/ (FW-40) (ittings for a discharge from and bigh temperature) within the build supplies Umplanticized poly/sinyl chloridej (pvc-a) pipes for soil and wante discharge (low and high temperature) within the building structure for the File reaction for unplasticized poly (viny) chloride) ( and work discharge within the building structure. for the Fire maction for unplasticized poly (whylichloide) and wante discharge within the building structure. Indemark ADEQUA Serie B eters.(mm) 32 - 42 - 52 - 75 - 90 - 132 - 125 - 160 - 200 ALNOR contract 001,001014 Trademark AD2QUA Euroclass B-s1, do ENOR contract OCE/OCEDE4 Trademark ADEQUA Euroclam B-s2, d0 P.I. de Ant (España) ENOR has tested the product and I neried for its manufacture. AENOT while the Certificate has and her In order to grant this Certificate, AENOR has tested the proposet and verified the quality system implemented for its manufacture. AENO performs these tasks periodically while the Certificate has not be manufacture and another system for Sector Publis RP GLGD. ntinued on 2021-11-12 intimued on 2021-11-12 int based on 2020-11-12 Validity date 2026-08-09 intinued on 2021-11-12 Validity date 2026-08-08 ALL A left ? 44 Reject GARGA MERO Chief Press the Office 

C/ Ctra. M-206 Torrejón - Loeches Km 3.1 - 28890, Loeches (Madrid) - Spain Tel: + 34 911 337 088 info@molecor.com www.molecor.com



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