



**The Catalonia
Institute of Construction
Technology**

Wellington 19
ES-08018 Barcelona
Tel. +34 93 309 34 04
qualprod@itec.cat
www.itec.cat



European Technical Assessment

ETA 15/0201
of 22.04.2015



General part

Trade name of the construction product	Drenotube®
Product family to which the construction product belongs	Preassembled line unit for drainage or infiltration
Manufacturer	FUMOSO INDUSTRIAL SA Llevant, 9. Polígon Industrial de Llevant ES08150 Parets del Vallès (Barcelona) Spain
Manufacturing plant(s)	Llevant, 9. Polígon Industrial de Llevant ES08150 Parets del Vallès (Barcelona) Spain
This European Technical Assessment contains	10 pages including 2 Annexes which form an integral part of this assessment
This European Technical Assessment is issued in accordance with Regulation (EU) 305/2011, on the basis of	European Assessment Document (EAD) 280001-00-0704. <i>Preassembled line unit for drainage or infiltration.</i> Edition May 2014

General comments

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document.

Communication of this European Technical Assessment, including transmission by electronic means, shall be in full. However, partial reproduction may be made, with the written consent of the issuing Technical Assessment Body. Any partial reproduction has to be identified as such.

Specific parts of the European Technical Assessment

1 Technical description of the product

Drenotube[®] is a preassembled line unit used for drainage or infiltration. Two types of preassembled line units are possible as a result of including or not including a polyethylene pipe enclosed in the unit:

- Preassembled line units comprising a horizontal corrugated slotted or perforated pipe of polyethylene in the inside, EPS aggregates that are held surrounding the pipe by means of a netting and a geotextile which covers at least the upper two thirds of the outer surface. The units are set end to end by plastic couplers.
- Preassembled line units comprising EPS aggregates that are held by means of a netting and a geotextile which covers at least the upper two thirds of the outer surface. The units are not set end to end.

Figures of the preassembled line unit are shown in annex 2.

Two types of EPS aggregate are possible for each type of preassembled line unit. EPS aggregates differ in their bulk density (EPS 14: 7 kg/m³ and EPS 20: 10 kg/m³) and in their dimensions (see annex 1). Moreover, two diameters of the unit are also possible, resulting in the configurations shown in the following table.

Configuration	Product parameters			Intended use
	Outer diameter of the unit (mm)	Unit with pipe	Unit without pipe	
Drenotube [®] Ø300 with pipe EPS 20	300	X	---	Drainage
Drenotube [®] Ø300 without pipe EPS 20		---	X	
Drenotube [®] Ø370 with pipe EPS 20	370	X	---	
Drenotube [®] Ø370 without pipe EPS 20		---	X	
Drenotube [®] Ø300 with pipe EPS 14	300	X	---	Infiltration
Drenotube [®] Ø300 without pipe EPS 14		---	X	
Drenotube [®] Ø370 with pipe EPS 14	370	X	---	
Drenotube [®] Ø370 without pipe EPS 14		---	X	

Table 1. Product configurations in accordance with the product parameters and the intended use.

The nominal dimensions and tolerances of the configurations of the Drenotube[®] are shown in the following table:

Configuration	Diameter (mm)	Length (mm)(1)	Weight (g/m)
Drenotube [®] Ø300 with pipe EPS 20	300 ± 20	3.000 ± 1 %	1.130
		6.000 ± 1 %	(-40; +200)
Drenotube [®] Ø300 without pipe EPS 20	300 ± 20	3.000 ± 1 %	850
		6.000 ± 1 %	(-40; +200)
Drenotube [®] Ø370 with pipe EPS 20	370 ± 20	3.000 ± 1 %	1.785
		6.000 ± 1 %	(-100; +200)
Drenotube [®] Ø370 without pipe EPS 20	370 ± 20	3.000 ± 1 %	1.240
		6.000 ± 1 %	(-100; +200)
Drenotube [®] Ø300 with pipe EPS 14	300 ± 20	3.000 ± 1 %	930
		6.000 ± 1 %	(-40; +200)