MOLECOR
Smart water

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Drainage channels of large capacity and maximum resistance

Characteristics

We offer complete and innovative systems for water drainage from inside and outside of buildings. The design of the range of drainage channels has been carefully developed to provide superior performance, durability, and resistance, along with a modern and functional aesthetic.

The drainage channels are manufactured with enhanced PVC, developed by our R&D department, which gives them greater resistance to external loads throughout their entire service life. Two drainage channel widths are available, 130 and 200 millimeters, as well as a complete set of installation fittings: junctions, end caps, and grids in different materials and with varying levels of resistance.

Advantages

- Superior **mechanical strength** and **rigidity** compared to drainage channels made from other plastic materials. PVC ensures that the load resistance properties are maintained over time and in the long term, as its rigidity decreases much less than that of other plastics.
- **Watertightness** is ensured between the drainage channels thanks to their glued Male-Female joints, which act as a weld and absorb ground settlement. There is no need to apply sealant for temporary sealing.
- **Accessories** are available to connect the different heights of the range. Their watertightness is also guaranteed, allowing for installations with increasing flow rates.
- **Direct connection to waste boxes** is possible.
- **Direct connection to the stormwater network** without the need for any specific or additional accessories.
- The drainage channels and gridss are **CE** marked and have a resistance class **A-15**, in accordance with the **UNE EN 1433** standard (Type I). No lateral concrete support is required for their installation.

Applications

- Access to pedestrian areas, gardens, terraces, courtyards, garages, saunas, gyms, swimming pools, commercial areas, etc.
- Suitable for both indoor and outdoor use.

Kits

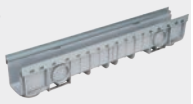
- 1-meter-long channel kit with galvanized steel grid A-15
- 1-meter-long 130 HR high-resistance channel kit with galvanized steel grid A-15
- 3-meter-long garage channel kit with PP grid A-15
- 3-meter-long garage channel kit with galvanized steel grid A-15
- 1-meter-long garage channel kit with galvanized steel grid A-15

Gammes

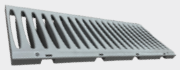
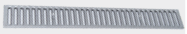
- Drainage channels, 130 and 200 mm wide
- Short slot drainage channels (130 series)
- High-resistance drainage channels (130 series)
- Grids in PP, galvanized steel, stainless steel, and fundition
- Linear drainage grids (130 series)

OCS

SDG

	Drainage channels		L x W x H (mm)	Load class*	Max. flow (l/s)	Grid lenght (mm)	Type of channel
130 SERIES	Short slot drainage channel		500 x 130 x 70	A-15	1,1	Pedestrian A-15 | 500 (PP) Passable A-15 | 500 (PP) Stainless steel A-15 | 500 Linear drainage A-15 | 500	I I I I
	Short slot drainage channel for impermeability sheet		500 x 130 x 70	A-15	1,1	Pedestrian A-15 | 500 (PP) Passable A-15 | 500 (PP) Stainless steel A-15 | 500 Linear drainage A-15 | 500	I I I I
	Classic slot drainage channel for plastic grates		500 x 130 x 90	A-15	2	Pedestrian A-15 | 500 (PP) Passable A-15 | 500 (PP) Stainless steel A-15 | 500 Linear drainage A-15 | 500	I I I I
	Classic slot drainage channel for metal and fundition grids		500 x 130 x 90	A-15 B-125 C-250	2	Galvanized steel A-15 | 1000 Fundition B-125 | 500 Fundition C-250 | 500	I M M
	High-resistance slot drainage channel		1000 x 130 x 175	A-15 B-125 C-250	4,2	Pedestrian A-15 | 500 (PP) Passable A-15 | 500 (PP) Linear drainage A-15 | 500 Galvanized steel A-15 | 1000 Stainless steel A-15 | 1000 Fundition B-125 | 500 Fundition C-250 | 500	I I I I I M M
	High-resistance channel with metal profile		1000 x 130 x 175	A-15 B-125 C-250	4,2	Galvanized steel A-15 | 1000 Stainless steel A-15 | 1000 Fundition B-125 | 500 Fundition C-250 | 500	I I M M
200 SERIES	Slot drainage channel for plastic grates		500 x 200 x 188	A-15	15	Pedestrian A-15 | 500 (PP) Passable A-15 | 500 (PP)	I I
	Slot drainage channel for metal and fundition grids		500 x 200 x 188	A-15 C-250	15	Galvanized steel A-15 | 1000 Stainless steel A-15 | 1000 Fundition C-250 | 500	I I M

* UNE EN 1433 standard

Grids	L x W (mm)	Load class*
PP pedestrian grid 	500 x 130 500 x 200	A-15 A-15
Cross walkable grid reinforced PP 	500 x 130 500 x 200	A-15 A-15
PVC linear drainage grid 	500 x 130	A-15
Design in stainless steel grid 	500 x 130	A-15
Galvanized steel grid 	1000 x 130 1000 x 200	A-15 A-15
Inoxidable steel grid 	1000 x 130 1000 x 200	A-15 A-15
Fundition grid 	500 x 130 500 x 200	B-125 and C-250 C-250

* UNE EN 1433 standard

Implementation steps

1. Prepare a trench at least 5 cm wider and deeper than the drainage channel.
2. Consider the installation taking into account the Male-Female interlocking of the components. Open the necessary outputs using the pre-cut marks.
3. A module can be shortened with a saw using the cutting ribs.
4. Glue the drainage channels, bottoms/birth and crosses with a special PVC adhesive, according to the established scheme.
5. The funds/births to be placed on the crosses must be cut at the level of the pre-cut line in order to allow the continuity of the following coating.
6. Glue the exits towards the evacuation network.
7. In order to avoid the displacement of the system during installation, prepare a 3 or 4 cm mortar screed to then complete the trench concreting and paving.

MOLECOR TECNOLOGÍA, S.L.
Ctra. M-206 Torrejón-Loeches Km 3.1 - 28890 Loeches (Madrid) - Spain
T: + 34 949 801 459 | info@molecor.com | www.molecor.com