

E - PRODUCT INFO

General

The MONODRAIN™ is an exceedingly simple solution, with which an integrated (i.e. invisible) subdrainage of standard flat profiles is realized. Our product is applicable to the existing T-profiles of all system suppliers of any importance.

Application

The MONODRAIN™-version in this packing can bridge maximum 78mm (breadth of chamber + glass flange). On each position where normally a drain hole and cap would have been applied, a MONODRAIN™ has to be assembled. In case of applications on higher altitudes we always recommend to determine the necessary drain holes in a previous test.

Performances

The MONODRAIN™ has been tested intensively by the Dutch fenestration institute SKG and leading international profile suppliers, with the following recent results:

Window type:	Element with movable parts provided with double airseals (middle gasket + interior gasket)		
Air permeability:	Class 4	600Pa	0,49m³/h/m¹ 1,92m³/h/m²
Watertightness:	Class E 1200 (till 1350Pa no infiltration)		

Main characteristics (image A)

A1. Base: The tapered end acts as a kind of layer and/or puller, in such a way that the pipe can easily be manually directed through the various profile partitions and, after having passed the last hole, it can be pulled out from underneath. In order to have a solid grip on the tapered end, the latter has been provided with an inscription.

A2. Upper side: The stopper on the upper side makes sure that the MONODRAIN™ cannot be pulled in too far through the profile when being fixed. And it will also see to it that the pipe won't sag or even fall out in the course of time. Because this stopper has a slightly larger outer diameter than the borehole, a waterproof junction all round with the profile is realized at the same time.

Assembly

Our MONODRAIN™ product is easy and quick to assemble. The only required profile adaptation, fixing a hole through and through the rabbet, can take place in three manners:

- With borettool and drilling machine;
- Clamped under pillar drill or fraisemachine;
- Automated in CNC-unit.

The diameter of the hole is 9,5mm.

1. (Pict. B1) In the window rabbet a hole is made all the way through. This processing takes place from the underside of the profile and then upward. Take care that the hole borders as closely as possible against the inside of the window profile. And by doing this generally a part of the profile flange (in which the glazing gasket is being fixed) is also being processed to the required specifications.
2. (Pict. B2) The MONODRAIN™ is manually directed from above through several holes and, after having passed the last hole, is then pulled through the bottom side until it has reached the "stopper". Take care that the flat part of the stopper is parallel with the inside of the profile.
3. (Pict. B3) Subsequently our MONODRAIN™ will be shortened at the underside at any requested length with a knife or scissors. The glazing gasket is interrupted on this place.
4. (Pict. B4) At last, after having assembled the window into the construction and after having installed the pane of glass, the MONODRAIN™ will be permanently clasped between the aluminium profile and the pane of glass.

Raw material

The raw material is TPE (SEBS). Moreover this material is not only well resistant against acids, bases and alcohol, but has a high ozone and UV resistance. Furthermore this material has a wide use temperature (-50°C to 100°C) and is recyclable. Our standard colour is black; if required we can provide our product also in other colours.

Maintenance

The "conventional" drain holes must be checked periodically on good functioning. As a control period for both glazing gaskets as well as water drains a three years period is assumed. For the MONODRAIN™ we recommend the same control period.

The MONODRAIN™ has been developed and tested with intense care. The product quality is monitored constantly. However the manufacturer is responsible for a skilled profile treatment and assembly in the window profile.

All our business activities are exclusively subject to our General Terms and Conditions as filed at the Chamber of Commerce Zuid-Limburg in Maastricht, the Netherlands (KvK-nr. 14085635).

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