

LORO-DRAINJET® siphonic drainage systems.

The system for the installation in light construction roofs*

LORO DRAINJET® siphonic drainage systems made of stainless steel

LORO DRAINJET® siphonic drainage systems are made of stainless steel and thus prove to be:

- dimensionally stable
- durable and
- UV-resistant

LORO DRAINJET® main drains and emergency drains will be installed at the same level.

The patented integrated impoundage element makes it superfluous to raise the emergency gully.

A negligible additional ascent of the water level in an overload case.

In an overload case, LORO emergency gullies drain the roof from the additional maximum precipitation with a slightly higher damming height of less than 20 mm.

This will ensure that the LORO emergency gullies keep the water level below the maximum flooding level* that is admissible for lightweight construction roofs, when their rated capacity is achieved.

The problem:

DIN 1986-100:2002-03 (Auszug)

9.1 Each roof surface with a gully leading into the building or installed outside the building shall be installed with at least one gully and an emergency gully discharging the excess water freely via the building's facade.

The loads resulting from the retention level (impoundage level) shall be taken into account when the static calculations for the roof and support structure are made.

The solution:

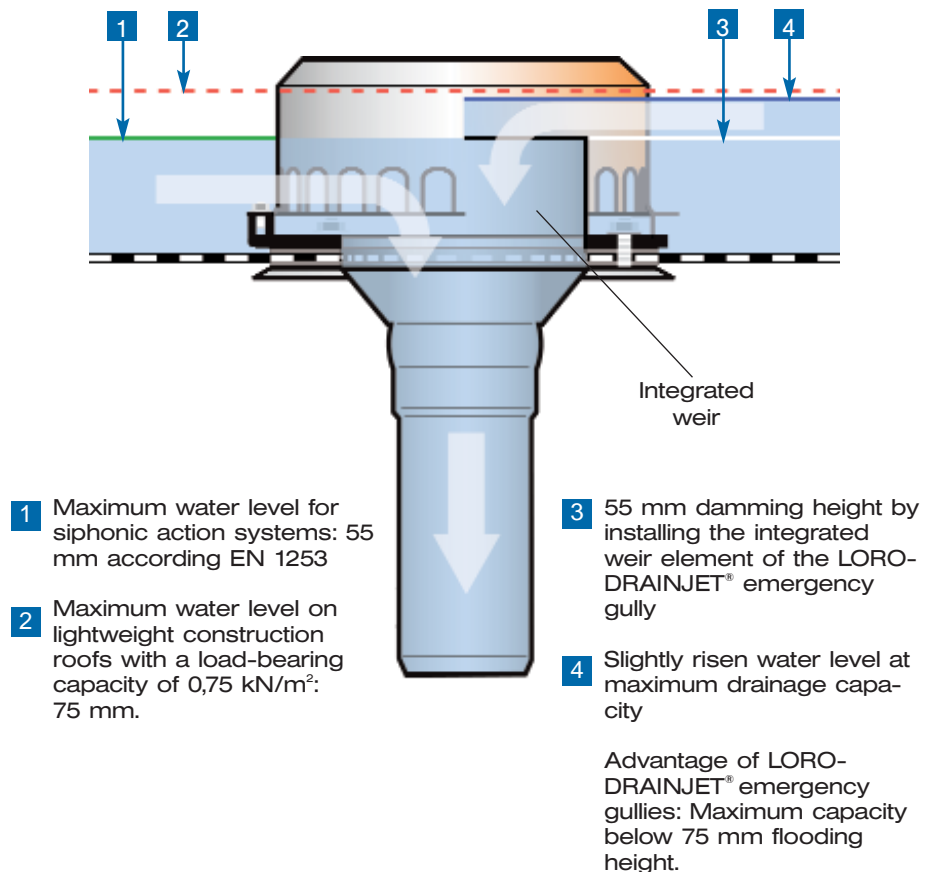
LORO-DRAINJET® siphonic drainage systems and their emergency discharge systems dewater the roof at the same level. The required impoundage of the patented LORO-DRAINJET® emergency gullies will be accomplished by an integrated impoundage element (with a damming height of 55 mm).

By operating these elements at one level only, the water level on the roof will be restricted to a maximum 75 mm.

LORO-DRAINJET® siphonic drainage systems can be installed without any costly modifications to the roof structure and all the resultant problems.

Main drainage systems

Emergency discharge systems



* Admissible maximum flooding height for lightweight construction roofs with a load-bearing capacity of 0,75 kN/m²: 75 mm