

FLOOR DRAIN SAFETY · BUILDING HEALTH · RISK OF BACTERIAL SPREAD








# The floor drain you *can't* see is the risk you can't ignore

A dried-out floor drain becomes an open gateway — letting infectious aerosols spread silently through the building's drainage system to every floor. One small component – major consequences. This has been confirmed by university researchers and the WHO.

## PROTECTED

### Floor drain properly sealed

With DryDrain® installed, the floor drain protection acts as a bacterial barrier — and significantly reduces odours that would otherwise occur when the water trap dries out.

ROOF VENT			
7F			✓
6F			✓
5F			✓
4F ◀NPL			✓
3F			✓
2F			✓
1F			✓

#### NPL = Neutral Pressure Layer











The level where indoor air pressure equals outdoor pressure

- **Aerosols contained.** The water barrier prevents drain gas from escaping into occupied floors.
- **All floors safe.** Infection risk through the drainage route is reduced to near zero.
- **Bacterial barrier against odours.** DryDrain® eliminates odours if the water trap dries out — protection that works regardless of how rarely the drain is used.
- **Actively kills bacteria.** Sorbonite® with high pH effectively kills bacteria and reduces the risk of them spreading between floors and into individual bathrooms.

## EXPOSED — HIGH RISK

### Floor drain dried out

Without a water trap or DryDrain®, bacteria and viruses travel freely through the drainage network into occupied spaces. Pressure differences cause bacteria and viruses to spread from floor to floor.

ROOF VENT			
7F			
6F			
5F			
4F ◀NPL			!
3F			!
2F			!
1F			✗

#### NPL = Neutral Pressure Layer

The level where indoor air pressure equals outdoor pressure

- **Top floor at greatest risk.** Residents above the NPL are exposed to up to 60 % higher exposure compared to the floor just above the NPL.
- **Pressure-driven spread.** The building's stack effect actively draws aerosols from the drainage system into living spaces.
- **Invisible and odourless.** Occupants have no warning. The risk is constantly present in rarely used bathrooms, utility rooms and corridors.

## KEY FIGURES

**60 %**

Higher aerosol exposure for top-floor occupants vs. the floor just above the Neutral Pressure Layer (NPL) — when floor drains are dried out.

**~0 %**

Exposure through the drainage route when the water trap is intact. A simple seal as DryDrain® is one of the most effective barriers against drain-borne transmission if drains are dried out.

**24/7**

DryDrain® works continuously and comes complete with a refill solution — everything you need to keep the protection active, straight out of the box.

## THE SOLUTION

THE SOLUTION · BY XODOR

**DryDrain® — one component, total peace of mind**

Xodor DryDrain® is a passive floor drain protection that acts as an active bacterial barrier — and eliminates odours if the water trap dries out. The built-in calcium silicate, Sorbonite®, with high pH actively kills bacteria and reduces the risk of them spreading through the drainage system between floors and into individual bathrooms. Supplied with a refill solution for continued protection. Trusted by property managers, facility teams and building engineers across Scandinavia.