

VENTILATION IS VERY IMPORTANT!

The balance between wetting, drying, and qualitatively application is critical to the long-term performance of building enclosures.

If you have ever gone camping, you have probably uses a tent with a flysheet – a simple rainscreen. This flysheet keeps rain and condensation out; although it will if you keep the flysheet separate from the inner tent.

A rainscreen system for a building works similarly, keeping the cladding separate from the building through the use of a space between the cladding and the exterior wall to prevent water from penetrating the structural wall assembly.



A ventilated rainscreen system features a continuous air space, open top and bottom, to encourage airflow and convective drying when water gets between the cladding and the exterior wall of building – whether due to wind-driven rain, bulk water shedding, or capillary action through porous cladding.

Many ventilated systems also include water-resistant rigid insulation on the exterior wall to improve energy performance and reduce the likelihood of condensation within the wall assembly. The possibility of ventilation is very important for the moisture balance in the air cavity.

All ventilated façade systems require careful design and detailing, and the execution also deserves all attention. So pay close attention to ventilation!