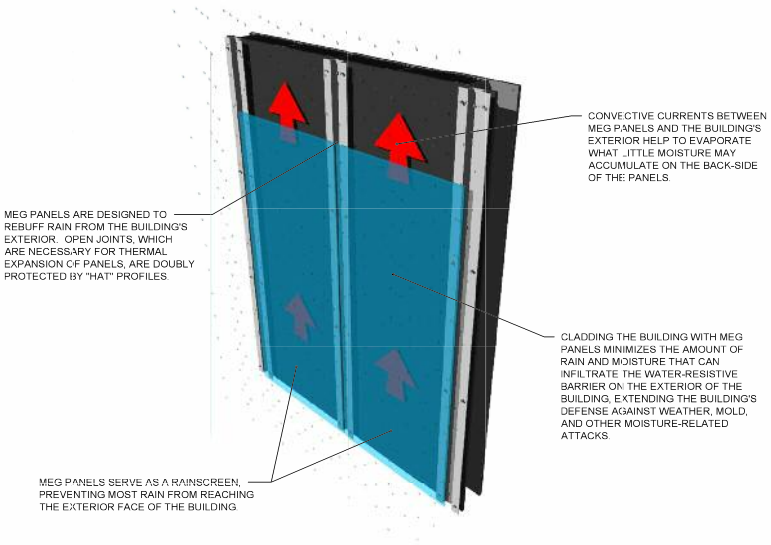
MEG

MATERIAL EXTERIOR GRADE

MEG PRESENTS:
AN OVERVIEW OF THE RAINSCREEN PRINCIPLE

The Rainscreen Principle is a method for controlling rain penetration through a wall cladding system. Also referred to as "open joint", "dry joint" and "back ventilated", a rainscreen building system is one where panels are attached to a fastening system (profiles) that creates air flow between the panels and a building's structural wall. These open joints allow for expansion and contraction of the exterior panels and also enable air pressure in the cavity behind cladding to equal outside air pressure, resisting wind driven rain and other factors that can drive water into the building's envelope such as gravity, kinetic surface tension and capillary action.

A rainscreen system uses a "double-wall construction". The inner structural wall of the building is covered with a water-resistant barrier. The profiles are then attached to the structural wall and the exterior cladding is fixed to the profiles. The open joints between the exterior panels allow any rain that does penetrate to deflect, drain, or dry via "chimney effect". A rainscreen system can improve the performance of the building's interior climate by allowing moisture to escape and preventing mold formation. Rainscreen cladding also allows heat from the sun to be dispersed, which can prevent temperature fluctuations on the building's interior and improve the overall energy efficiency of the building.



MEG PANELS: RAINSCREEN

Here are some of the reasons you should consider using MEG rainscreen panels for your next build project:

- **Weatherproof** – Durable and fade resistant, MEG panels are designed to withstand rapid temperature shifts and harsh environments including prolonged exposure to direct sun, rain and sea salt.
- **Sturdy** – MEG panels don't warp, splinter, crack, check, peel or delaminate.
- **Non-corrosive** – Built to endure, MEG panels are composed of durable materials highly resistant to corrosion.
- **Quality appearance** – Extraordinary design comes standard and never at the expense of durability. MEG panels are available in a variety of colors and finishes resulting in beautiful exteriors of enduring performance.
- **Maintainable** – Your MEG panels are built to last and are easily maintained using non-abrasive household cleansers with sponges, cloths or paper towels.
- **Graffiti resistant** – MEG's smooth finish hampers spray paints, inks, lipstick, crayons and other emulsions from penetrating its surface and does not require any preventive graffiti treatments prior to installation.
- **Ecofriendly** – MEG panels are designed to beautify an exterior environment and are made with materials that will not harm the environment. Additionally, MEG panels can be ordered FSC-certified and use of panels may contribute points to LEED projects.
- **Termite resistant** – MEG's high performance laminates are resistant to termite and insect infestation.
- **Excellent fire performance** – MEG 10mm F1 panels have superior thermal resistance and have passed the National Fire Protection Association's (NFPA) most stringent tests including NFPA #285 and #268.

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