## How to Build a Green Kitchen


manufacturer to tell you what substances their product is made from. Highly toxic products are not eligible, so if you see this label, chances are it's a green product.

- Sufficient ventilation: smoke and un-combusted gas from a cooktop can contribute to poor indoor air quality. Utilize an exhaust hood.
- Mold prevention: mold is the result of a water issue and is commonly found under cabinets where plumbing pipe leaks on wood, or near a dishwasher that fails slowly over time. There are a variety of Bluetooth water alert sensors for around $\$ 30$.
- Water filtration: these systems come in several different forms. Faucet attachment or countertop units (cheap but ungainly), undercounter, or a whole house filter (handles all the plumbing fixtures in the house). They can filter out bacteria and chemicals such as chlorine.


## Resource Conservation:

There are a number of excellent products for the kitchen that can help conserve resources.

- Countertops are typically either made of plastic laminate on particle-board (cheap), stone (expensive) or a composite material (medium). The composite comes in two varieties: solid surface and quartz. Both have several advantages over laminate or stone including zero maintenance, extreme durability, and a virtually unlimited variety of styles and colors. They both contain a significant percentage of waste stone material which makes them a green choice. These products are known by their brand names of Ceasarstone, Quartzstone, Cambria, Corian, and many more.
- Made in America - going local (or at least domestic) is part of being green as transportation adds to
the 'embodied energy' of a material. Nearly every component of a kitchen has domestic options: countertops (Cambria), appliances (Whirlpool, KitchenAid, GE, Viking, Thermador), tile (Daltile, Florida Tile, and many more), cabinetry, and flooring.
- Built-in compost and recycling center: having convenient dedicated receptacles (like a pull-out drawer) next to the sink increases the likelihood of keeping things out the landfill or garbage disposal.
- Grow your own: urban cultivators are special refrigerators that help you grow your own herbs and veggies. They tuck in nicely under the countertop.
- Water conservation: look for the EPA Watersense label to find water-conserving faucets. You can also retrofit an existing faucet by adding an aerator. Installing a recirculation pump will keep water slowly moving in your plumbing pipes so that when you call for hot water it will arrive in seconds so you don't have to waste water waiting for it to arrive. Lastly, older dishwashers use 15-18 gallons of water per wash. New Energy Star washers use only four gallons.

The kitchen uses more energy and material than almost any other part of the house, which means there are great opportunities to make your kitchen green and healthy!

## About the author:

Scott Rodwin, AIA, LEED AP is the owner of the Rodwin Architecture + Skycastle Construction, a 13 person award-winning design/build firm specializing in high-end custom green homes in the Front Range. scott@rodwinarch.com www.rodwinarch.com

