

BY VINCENT SALANDRO



1. Insulating Bathroom Substrate

Designed for use with radiant-heat floor systems under tile, the Hottrok Tile Mat has both thermal and acoustic insulating properties and can be installed over most wood and concrete substrates that meet TCNA standards. Grooves in the mat hold, support, and protect cables until they are covered with mesh and leveler. The 1/2-inch-thick molded polypropylene foam material is resistant to alkalis and acids and highly resistant to humidity and water, according to Hottrok. Mats have an R-value of 1 and retail at \$39 per 2-foot-by-3-foot sheet. hottrok.com



2. Tech-Controlled Aluminum Pergolas

Louvers on the Pergola X from Struxure open, close, and pivot with one-touch control. The extruded, recycled, lightweight, and non-corrosive aluminum and stainless steel components have a textured, scratch-resistant powder-coat finish in six color options. Pergolas come in four models, including one that can be fully opened like a sunroof; choose between 4-, 6-, and 8-inch posts. Pricing starts between \$20,000 and \$40,000 and can run higher depending on size, model, and accessories. struxure.com



3. Silicone Sealant

XtraBond 250 is a 100% acetoxysilane-based, one-component, mildew-resistant silicone sealant that promises to be permanently flexible. The sealant can be used in high-moisture areas, such as baths, as well as in areas near food preparation and storage, according to the manufacturer. XtraBond 250's antimicrobial formula is NSF approved and FDA compliant. We found a 10.1-ounce tube online for about \$5. premierbuildingsolutions.net



4. Recycled MDF Panel

Recommended for shutters, raised panels, wall panels, and nonstructural paint-grade millwork, Roseburg Forest Products' Armorite Exterior medium density fiberboard (MDF) is a no-added-formaldehyde panel that resists moisture, rot, decay, and insects. Panels come in 4- and 5-foot widths up to 18 feet long and in thicknesses ranging from 1/4 inch to 1 1/4 inches. Armorite is available with the option of FSC or SFI certification and contains 92% pre-consumer recycled content. Contact distributors for pricing. roseburg.com

Products

5. Wire-Brushed Stair Treads

Wood treads can experience a lot of wear and tear, especially in homes with young children or pets. Viewrail says its new wire-brushed treatment leaves the heartwood on the tread exposed, providing a weathered look that holds up well in high-traffic areas while creating a textured finish that provides improved slip resistance. Viewrail offers wire brushing on treads for Flight, Stratus, and Terrace floating stair systems in 15 species, 39 finishes, and widths from 36 to 72 inches, at no additional cost. viewrail.com



6. Foam-Glass Aggregate

Derived from recycled glass and free of chemicals and hazardous materials, Glavel foam-glass gravel is a high-performance aggregate used for sub-slab insulation and green roof fill. The fire-, water-, and pest-resistant product provides thermal insulation of R-1.7 per compacted inch and can typically be used in place of both gravel and foam board beneath slabs, according to the manufacturer. The gravel's closed cell structure will not absorb water, and pieces can be compacted into mounds and slopes up to 45 degrees. The gravel costs \$65 per cubic yard plus ground transit. glavel.com



7. Engineered Unfinished Flooring

Aacer Flooring's Unfinished Engineered flooring is available in three species, three thicknesses ($\frac{1}{2}$, $\frac{5}{8}$, and $\frac{3}{4}$ inch), and three widths ($3\frac{1}{4}$, 5, and 7 inches). Northern red oak has a tight grain and a neutral color that allows for a variety of applied stains; northern white oak is straight-grained and ideal for custom staining; and northern hard maple features a denser grain. aacerflooring.com



8. All-in-One Insulation Panel

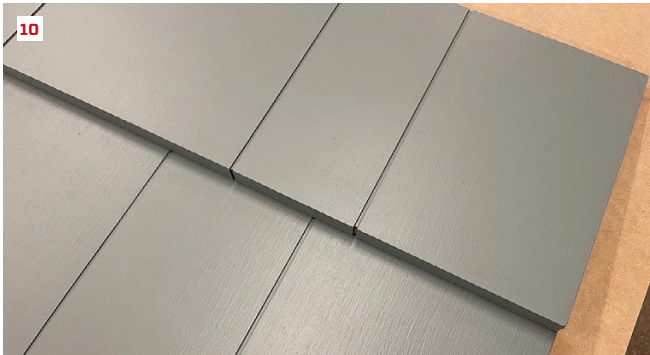
On ThermalTight Panels, the weather-resistive barrier is laminated to the exterior of a rigid insulation board, effectively eliminating an installation step. The Neopor graphite polystyrene insulation contains no blowing agents and is rated at R-4.7 per inch at 75° and R-5.2 at 25° (the manufacturer says the R-value increases as the temperature decreases). The vapor-permeable, nonwoven polypropylene WRB has overlapping flaps that are used to seal the panels together on all four sides to create a continuous air barrier. Panels are 4 feet wide and are available in three thicknesses ($1\frac{1}{16}$, $1\frac{1}{2}$, and $2\frac{1}{8}$ inches) and three lengths (8, 9, and 10 feet). brincbp.com





9. Ladder Safety Accessory

Werner's Extension Ladder WalkThru allows users to step directly from a ladder onto a roof without stepping out to the side, bracing for the transition from the roof to ladder, and vice versa. The Ladder WalkThru installs without any tools on Werner's Type II, I, IA, and IAA extension ladders and, when installed, serves as a 3-foot extension above the top support for access to an elevated surface. The accessory retails for approximately \$280. wernerco.com/us



10. Fly-Ash Shake Siding

Duration Millwork's Simulated Shake Siding is made from polymer-infused fly ash and comes in 4-foot panels that butt together tightly to create a seamless shadow line. The lightweight panels can be blind-nailed with a reveal between 4 and 6 inches. According to Duration, the cladding doesn't require back or edge sealing, can be painted any color without priming, and won't rot, decay, or be affected by insects or high heat. The cladding has no clearance requirements and installs with much less labor than individual wood shakes. Pricing starts at \$12.90 per square foot. durationmillwork.com



11. Military-Style Work Hoodie

The Truewerk Woobie is an extremely light and flexible work hoodie. (The name is inspired by the military-issued poncho liners called "woobies.") It can be worn on its own in moderate weather but is specifically designed as an insulating mid-layer; both the shell and lining are made to stretch, allowing some freedom of movement. According to Truewerk, the exterior is abrasion resistant and water repellent, while the interior is designed to wick moisture away from the body. The Woobie hoodie is \$140; it also comes as a vest for \$100. Both are black. truewerk.com



12. Engineered Asphalt Shingles

Pabco Roofing's asphalt shingles are engineered to provide protection and performance for both ultra-wet and arid climates. The company's Signature Cut Shingles are offered in three options: Paramount Advantage, Paramount, and Cascade. Each option features open-tooth, architectural shingles and meets fire-resistance standards. The shingles also feature "Algae Defender" to mitigate moss and lichen growth and are warranted against black streaks caused by algae. pabcoroofing.com