

High-performance, energy-efficient, low-cost, and sustainable building materials are vital to a modern and growing construction industry. Utilizing coal enables production of superior building materials including roofing tiles, siding, decking, insulation, joists/studs, sheathing, and architectural block.



ROOFING MATERIALS



Coal-core composites provide light weight, low cost, and high-volume roofing materials.

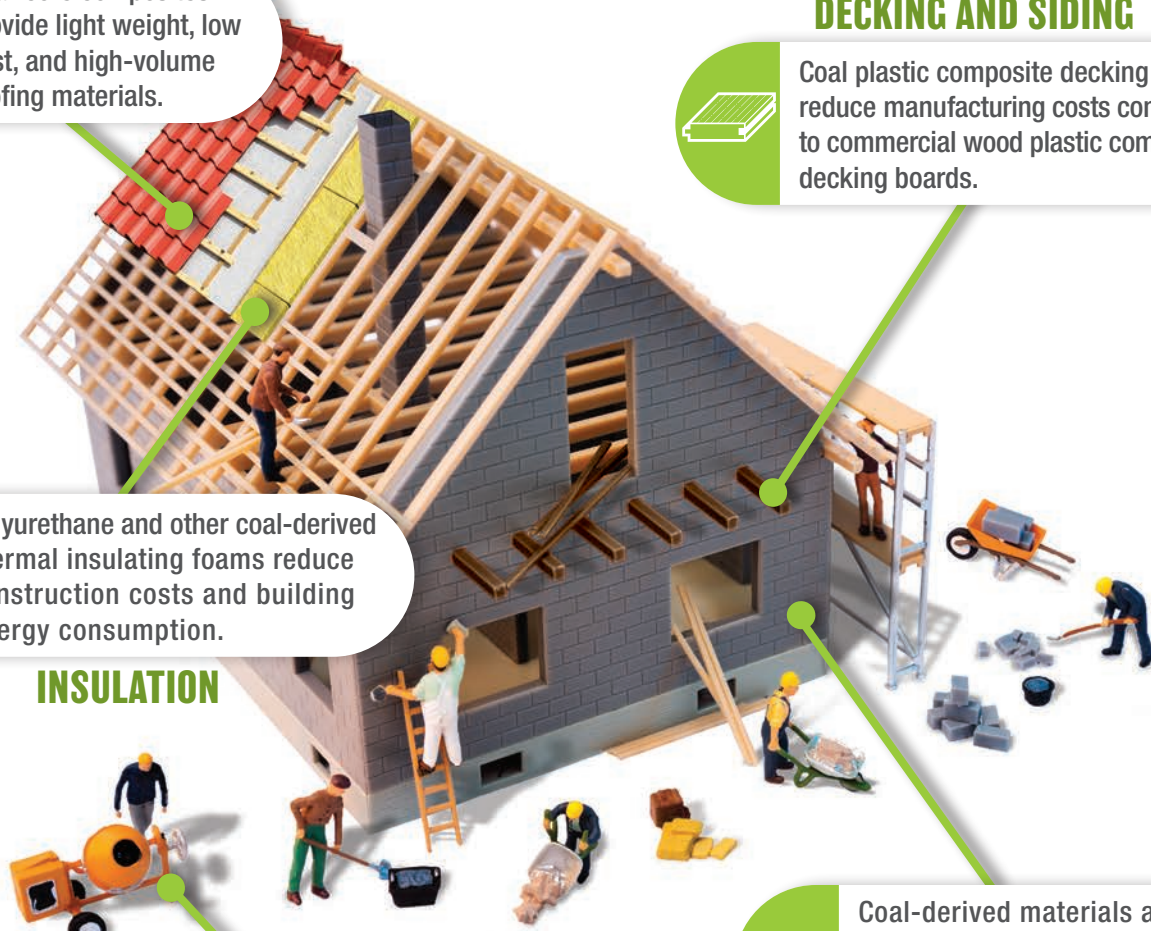
DECKING AND SIDING



Coal plastic composite decking boards reduce manufacturing costs compared to commercial wood plastic composite decking boards.

Polyurethane and other coal-derived thermal insulating foams reduce construction costs and building energy consumption.

INSULATION



Coal-derived graphene in cement formulations increases compressive and flexural strength by 15-35%, reduces porosity and improves corrosion resistance.

CONCRETE AND CEMENT ADDITIVES

Coal-derived materials added to block and brick formulations enable improved structural and thermal insulating properties.

ARCHITECTURAL BLOCK AND BRICK

