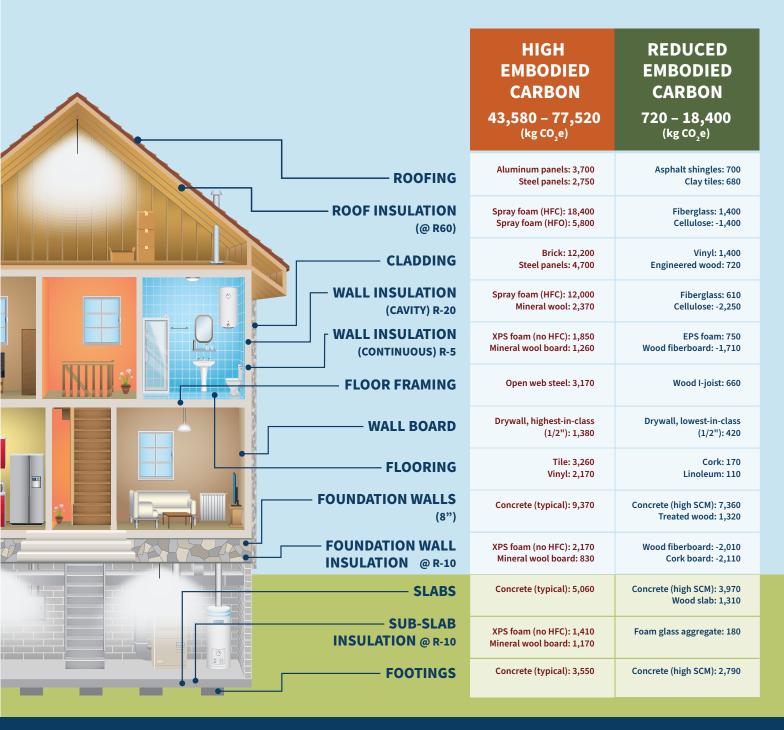


How Simple Material Substitutions Can Reduce Embodied Carbon

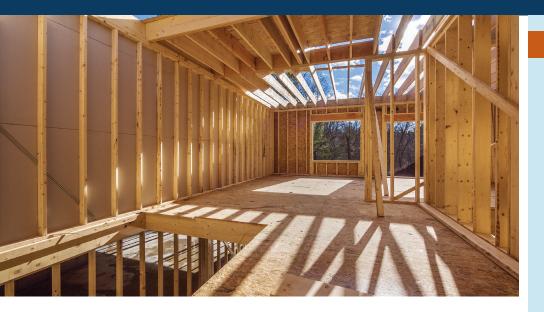
Using fewer materials and selecting them wisely can dramatically reduce a home's embodied carbon, often without raising costs. RMI research shows that home builders can achieve 30 to 50 percent reductions in carbon emissions with commercially available, affordable, and code-compliant materials--and by targeting just a few key categories: concrete, insulation, cladding, and interior surfaces.



LEARN MORE



Does your company want to get involved in HomebuildersCAN? Visit **rmi.org/homebuildersCAN** to learn more.



HomebuildersCAN is a supportive Carbon Action Network initiative for builders to learn about embodied carbon and provide the industry with a consistent approach to incorporating embodied carbon into decarbonization stratagies. Embodied carbon and scope 3 emissions are suddenly on everyone's radar, from regulators to investors to home buyers. This program aims to help homebuilders take the leading role in understanding, measuring, reporting, and acting strategically to adopt and scale profitable, low-embodied carbon building practices. Developed by RMI with an industry stakeholder group, HomebuildersCAN will assist members in three key areas:

Increase **performance** on embodied emissions from new homes and share successes with stakeholders

Advocate for **alignment** across the sector, including: regulators, ESG reports, lenders, and energy efficiency programs

Adopt and scale profitable climate-smart building practices



JOIN HOMEBUILDERSCAN

Does your company want to get involved in HomebuildersCAN? Sign up today!

For more information or to discuss supporting HomebuildersCAN, please contact: **homebuildersCAN@rmi.org**

KEY TAKEAWAYS



There is a significant opportunity for climate mitigation with the reduction of cradle to gate (CtG) embodied carbon emissions from new homes and renovations.

ACTIONS

Home builders can take immediate steps to achieve 30 to 50 percent emissions reductions at cost parity with currently available tools and materials.

CARBON

The potential carbon emissions impact of new home construction in the United States exceeds the equivalent of annual CO_2 emissions from entire countries such as Bahrain, Denmark, and Ireland.

HIGH EFFICIENCY, LOW EMBODIED CARBON

It is possible to build energy-efficient, healthy, and comfortable homes with both low operational and low embodied carbon emissions now. Embodied carbon emissions are becoming increasingly significant as operational GHG emissions continue to decline.

VIEW THE REPORT

rmi.org/insight/hidden-climateimpact-of-residential-construction