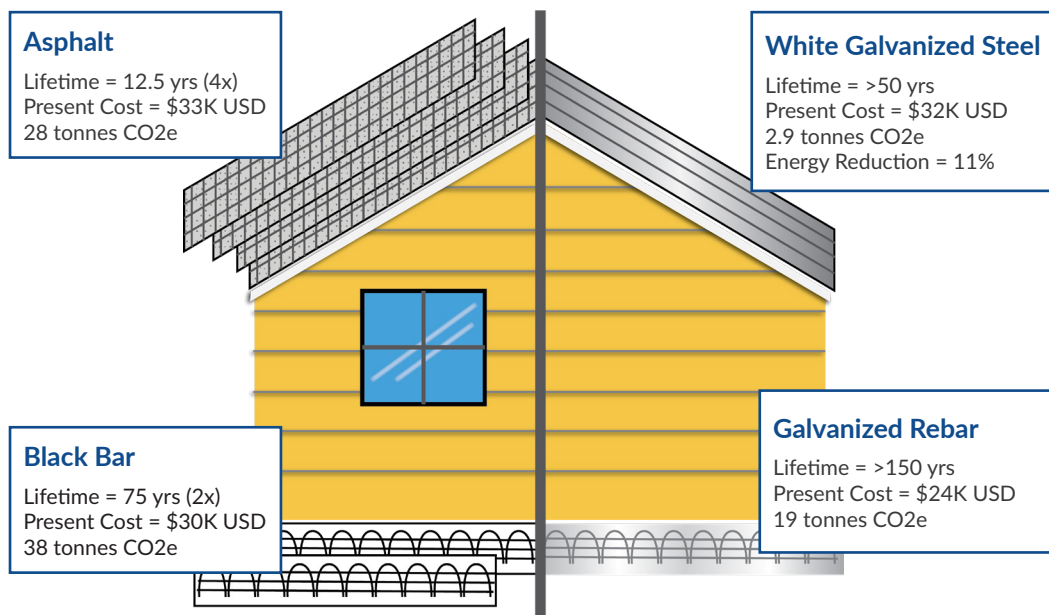


Zinc Enables Decarbonization

RESIDENTIAL HOUSING

Building strong communities begins with building strong infrastructure designed to last for generations. Zinc plays a transformative role in building stronger, more sustainable communities, particularly in the decarbonization of residential buildings. From the foundation to the rooftop, zinc enables long-lasting, low-maintenance solutions that enhance a home's durability and environmental performance.

Using zinc in a home's foundation through galvanized rebar and in a home's roof offers many advantages.



The Zinc Difference



Extends Lifetime



Saves Money



Prevents Carbon Emissions

Start with a Strong Foundation

Protecting a home's foundation with galvanized rebar can cost <\$200 and yields an impressive return on investment in both economic and environmental benefits.



Zinc's Return on Investment in Foundations:

- Saves up to \$9,000 in replacement costs
- Prevents 19 tonnes of carbon emissions
- Ensures protection for >100 years longer than using uncoated rebar

Zinc Enables Decarbonization

Covering Your Assets for the Long-Term

A galvanized steel roof can extend a roof's lifetime to over 50 years, providing savings through longevity. A galvanized roof lasts up to four times longer than an asphalt roof, saving \$5,000-10,000 in electricity bills over a 50-year period.

Zinc's Return on Investment in Roofing:

- \$38,000 direct and indirect savings over 50 years
- Lowers energy use and electricity bills
- Prevents 40 tonnes of carbon emissions
- Offers 100% recyclability



More Zinc for a Cleaner Planet

Zinc's impact in reinforced concrete for foundations and metal roofing increases with each year of service life, adding substantial economic and environmental value to every home. This investment in infrastructure and sustainability provides a bright outlook for zinc and the homes it enhances.

Every 4% of galvanized rebar uses up to **1 million tonnes** of zinc.

Galvanizing 10% of U.S. roofs uses **750 thousand tonnes** of zinc.

A home with galvanized rebar and metal roof prevents **60 tonnes** of carbon emissions.

Zinc Enables Decarbonization is a partnership between the International Zinc Association and Environmental Economist Benjamin Cox of BRIMM at the University of British Columbia to quantify, substantiate, and monetize zinc's value in use.



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