

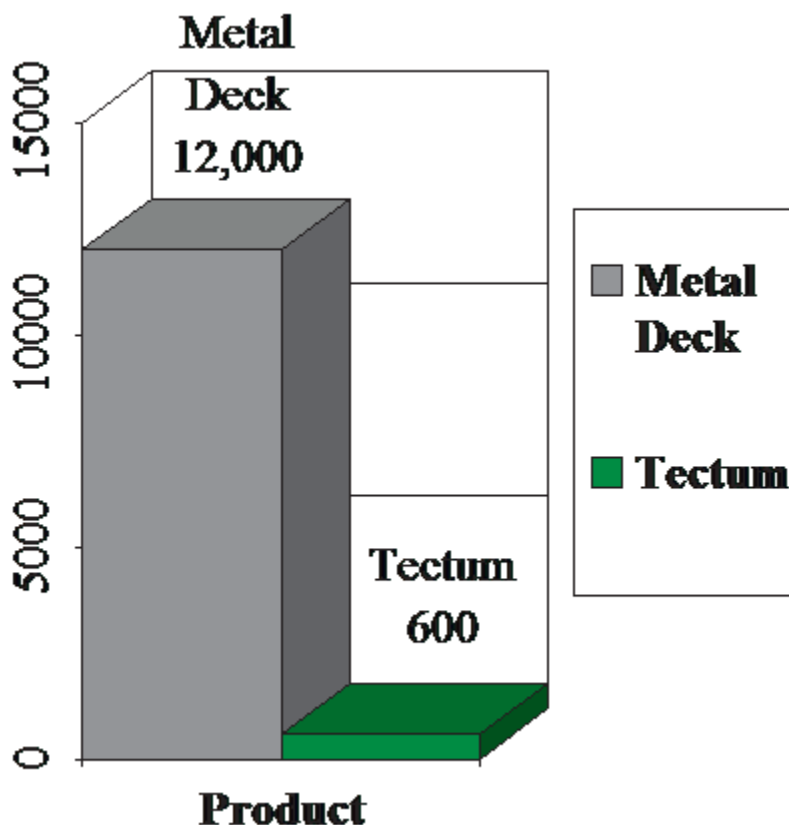
A **CARBON FOOTPRINT** is “the total set of GHG (greenhouse gas) emissions caused directly and indirectly by an individual, organization, event or product.” An individual, nation or organization's carbon footprint is measured by undertaking a GHG emissions assessment.

One ton of lumber used in construction results in the release of 30 kg of carbon and the storage of 250 kg of carbon. One ton of steel used in construction results in the release of 700 kg of carbon and the storage of 0 kg of carbon.

Tectum Products vs. Steel Roof Deck

Tectum products are produced from new growth Wisconsin Aspen trees harvested every 15-20 years. After harvesting, Aspen trees repropagate from the existing root structure. During this process, Aspen trees filter carbon dioxide from the atmosphere, reducing greenhouse gases.

- Tectum products require approximately **600 BTU's** of energy per square foot of material produced.
- Steel decking requires approximately **12,000 BTU's*** of energy per square foot of material produced.



• Tectum Products are 20 times more energy efficient to produce than steel. This reduces the need for fossil fuels and the CO₂ produced by burning those fuels.

* American Iron and Steel Institute, October, 2005