

EcoDesigner product details

Methodology

EcoDesigner connects Autodesk Forge to SimaPro Synergy. The free version allows you to calculate the environmental footprint of your design using the standard Autodesk material data library at the basis. The library consists of over 400 materials that are mapped to secondary carbon footprint data from the U.S. Life Cycle Inventory Database (1), Industry Data (2) and Literature (3). The carbon footprint results are indicative only.

1. "U.S. Life Cycle Inventory Database." (2012). National Renewable Energy Laboratory, 2012. Accessed November 19, 2012: <https://www.lcacommons.gov/nrel/search>
2. Industry Data 2.0, <https://simapro.com/products/industry-data/>
3. "Materials and the Environment: Eco-informed Material Choice." (2021), Ashby, M.F., Elsevier Science, Accessed: September, 4 2024, <https://books.google.nl/books?id=joiUzQEACAAJ>

Disclaimer

EcoDesigner utilizes carbon footprint emission factors sourced from third-party libraries, publicly available literature, and other external data sources. While we strive to ensure the accuracy and reliability of these data points, we do not guarantee their completeness, precision, or suitability for specific uses. The emission factors may vary based on updates, regional contexts, or differing methodologies, and are subject to change without notice.

By using this tool, you acknowledge that the data provided is for informational purposes only and is not intended to be used as the sole basis for compliance, legal, financial, or environmental decision-making. We disclaim any liability for errors, inaccuracies, or omissions in the data, as well as any consequences arising from the use of or reliance on this information.

Furthermore, EcoDesigner is not responsible for any claims, damages, or losses (whether direct, indirect, incidental, or consequential) arising from communications or decisions based on the tool's output. Users are encouraged to seek independent verification of the data and consult with relevant experts before making decisions related to carbon emissions or sustainability practices.