HEALTHY BUILDINGS

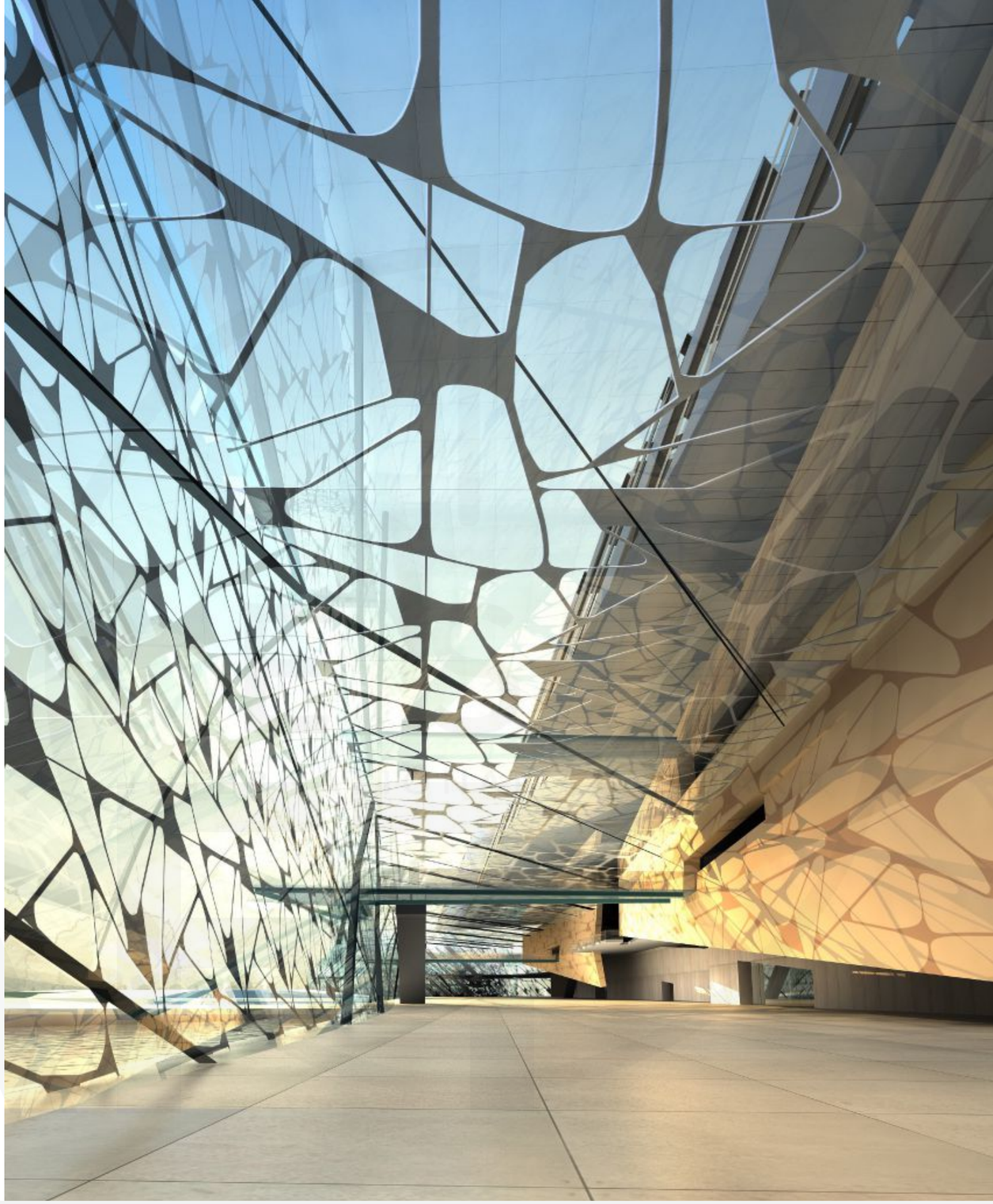
RESET

INTERNATIONAL STANDARD

Materials

SCORING METHODOLOGY

FOR PRODUCTS



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1.3.0 Why RESET Materials?

To date, deriving dynamic and useful data from materials has been a laborious or even, impossible task. This has largely been due to the lack of a standardized methodology to extract and track data from products.

The RESET Materials Scoring Methodology outlines data requirements and computational conformance protocols for products intended for use in the built environment. The methodology addresses critically important data criteria that to date, has not been compulsory in product or project evaluation schemes.

The RESET Materials Scoring Methodology aims to accomplish the following:

- Catalyze and encourage transparency of material information.
- Digitize disparate material performance criteria and exponentially build upon a universal materials database where data can be more accessible, useful, and scalable to a global community.
- Standardize information submitted by project teams, making it easier to collate, benchmark and interpret data in meaningful ways.

The RESET Materials Scoring Methodology, therefore, outlines how data from products are to be reported, from which sources, based on what performance criteria, and using what protocols. Further, the RESET Materials Scoring Methodology provides an additional level of computability and traceability of the data associated with the product. In doing so, the methodology prioritizes digital data as a means to incentivize project teams to build with better materials to help protect occupants and our planet.

1.3.1 How RESET Materials works

RESET Materials Scoring Methodology builds upon existing material eco-labels and certification programs and adds a layer of usability by outlining a method that evaluates and scores these products on an individual basis, with a significant emphasis on data transparency and accessibility.

The RESET Materials Scoring Methodology can be broken down into three levels: Component, Indicator, and Data Parameter.

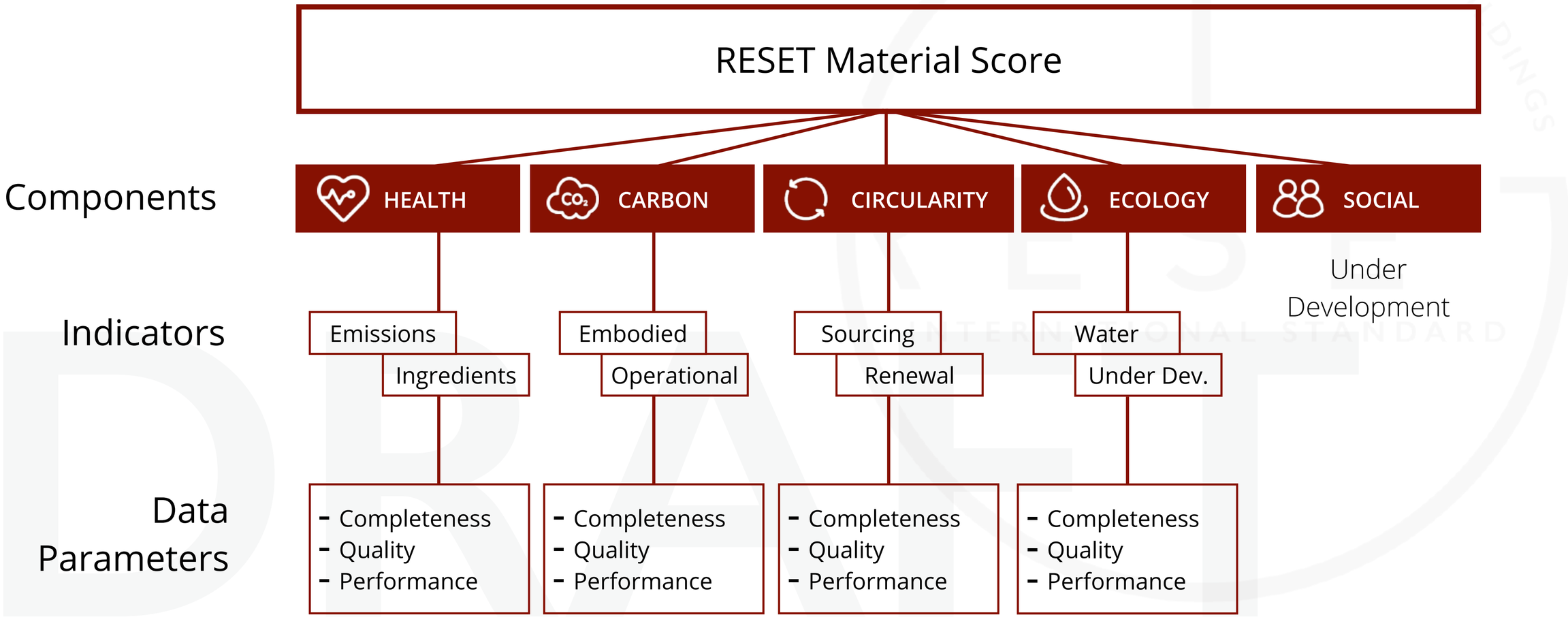
Component
The Components are the main categories that comprise the RESET Material Score. They include Health, Carbon, Circularity, Ecology and Social. Each Component has a score derived from the data provided for that Component.

Indicator
Each Component contains Indicators; a specific criteria within a Component. For example, there are two Indicators in the Health Component, Emissions and Ingredients. Each Indicator has a score derived from the data provided for that Indicator and the score is compiled to infer the Component score.

Data Parameter
The RESET Standards are built on a foundational core comprised of three key data criteria: Completeness, Quality, and Performance. These three criteria all have their own unique requirements depending on the standard. For RESET Materials, each Data Parameter: Completeness, Quality, and Performance, has a score derived from the data provided. The scores are compiled to infer the Indicator score. The data provided is in the form of currently available, established material eco-labels and certification programs.

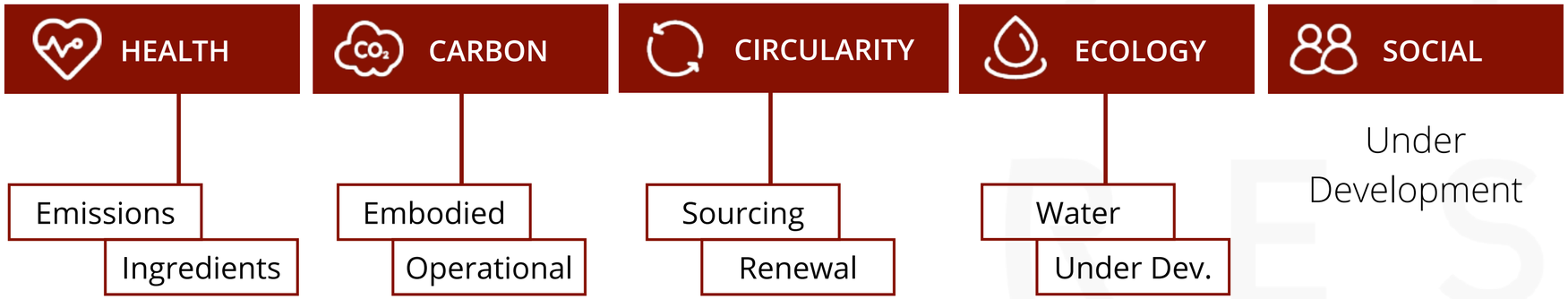
1.3.2 Scoring Structure Diagram

RESET Materials Scoring Methodology produces a score based on the aggregate total of all of the Components and the subtotals of all of the Indicators and Data Parameters that are nested under each Component. The diagram below illustrates the general scoring methodology:



1.3.3 Components and Indicators

RESET Materials Scoring Methodology consists of five unique Components, each pertaining to a critically important impact category. Each Component is further subdivided into Indicators that target a specific aspect of that Component.



RESET Materials Scoring Methodology does not require the completion of all five components, nor indicators, in order to be eligible for scoring. Products, materials, and finishes are permitted to implement any number of components or indicators and scoring will be awarded to each component and indicator separately.

Learn more about each individual Component and Indicator in the Appendix.

1.3.4 Data Parameters

RESET Materials Scoring Methodology is, at its core, a data standard. The methodology evaluates products, materials, and finishes using three distinct data parameters: Completeness, Quality, and Performance.

- Completeness
- Quality
- Performance

Completeness

The amount of data provided for an Indicator. Completeness is whether or not there is enough relevant information about this product, material, or finish in regards to this Indicator.

Quality

The reliability and trustworthiness of the data provided for an Indicator. Quality tracks the source of the data, the robustness of the reporting program, it's actionability, and its relevance.

Performance

The data provided for an Indicator in terms of its performance metrics. Performance is the measure of a product's performance to inform its embodied or in-use impact on people, the environment, and the planet.

1.3.4.1 Data Parameters - Completeness

The Completeness Score for an Indicator in **RESET Materials Scoring Methodology** is given depending on the source of the report. There are 3 different possibilities:

1. **No certification, declaration, or test-report available**

   This product does not have any available information for this indicator, or the information comes from an unrecognized and unvalidated program.

2. **Uncharacterized Certification, declaration, or test-report**

   This product has a report, declaration, or certification, but the results of the report have not properly extracted and digitized.

3. **Characterized Certification, declaration, or test-report**

   This product has a report, declaration, or certification, and the results of the report have been extracted and digitized.

1.3.4.2 Data Parameters - Quality

'Quality' considers the source of the data. Is it reliable? Accurate? Traceable with a chain of custody? Is it automated and connected to a third-party platform or must it be verified manually? The more transparent and connected to unbiased sources, the greater the quality of that data.

The Quality Score for **RESET Materials Scoring Methodology** includes the following:

Description	
Third Party	Label is self-declared
	Label is third-party verified
Expiration	Label is expired
	Label has no expiration date
	Label has an expiration date and is not expired
Digital Chain of Custody	Label has a URL hosted by the source of the label
Computability	Label has a Limit Value
	Label has Actual Values in Results

1.3.4.3 Data Parameters - Performance

Performance scores the results of the certification, declaration, or test report relevant for the Indicator based on current environmental and health-driven criteria, target thresholds and aspirational goals as surveyed by a wide array of best-in-practice organizations, educational institutions, and industry experts.

For example:

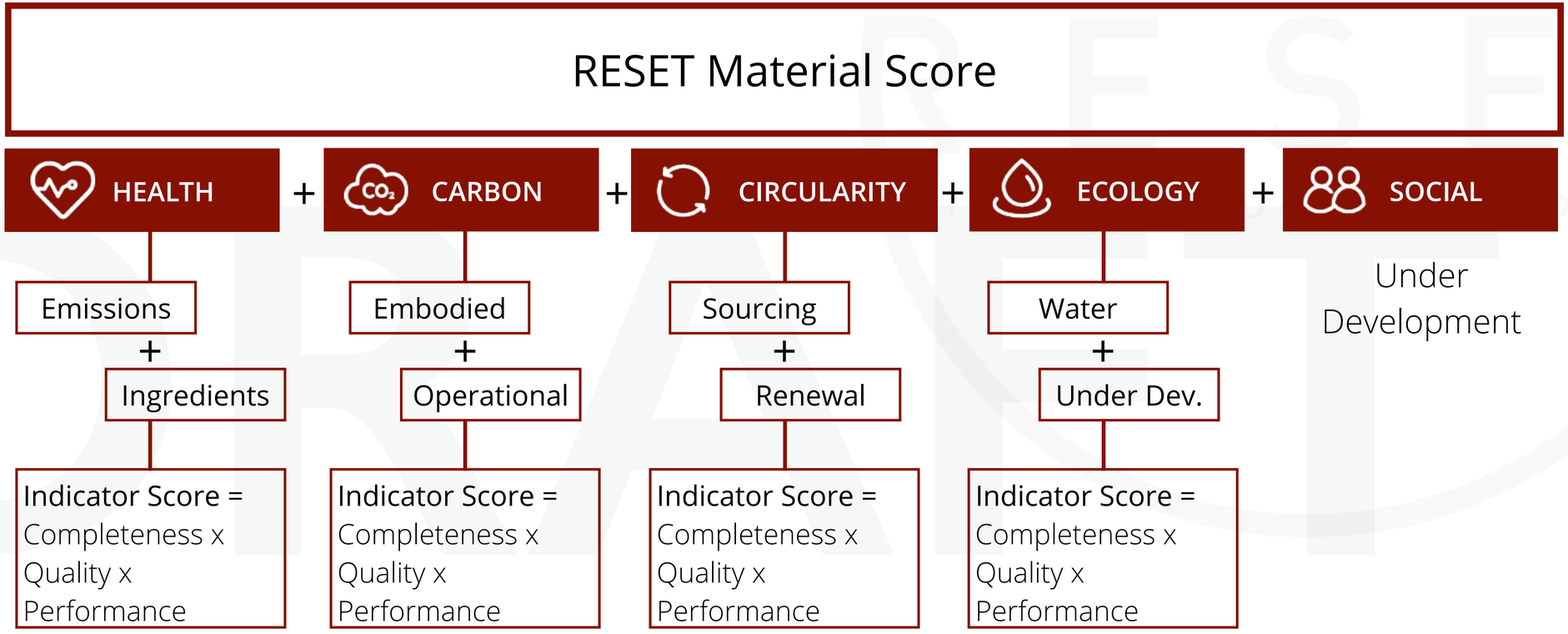
- The carbon footprint of a product, compared to it's peers.
- The presence of restricted chemicals in a product.
- The level of post consumer recycled content in a product.

1.3.5 Final Scoring Methodology

The final scoring methodology for a **RESET** Materials **Score** is obtained via the following steps:

Step 1: The Indicator Scores is obtained by multiplying the Data Parameters.
Step 2: The Component Scores is obtained by averaging the Indicator Scores of a Component.
Step 3: The Material Score is obtained by averaging the Component Scores of the Material.

For each indicator, only one certification, declaration, or eco-label will be considered. A material having multiple certifications, declarations, or eco-labels under the same Indicator, does not result in a higher score.

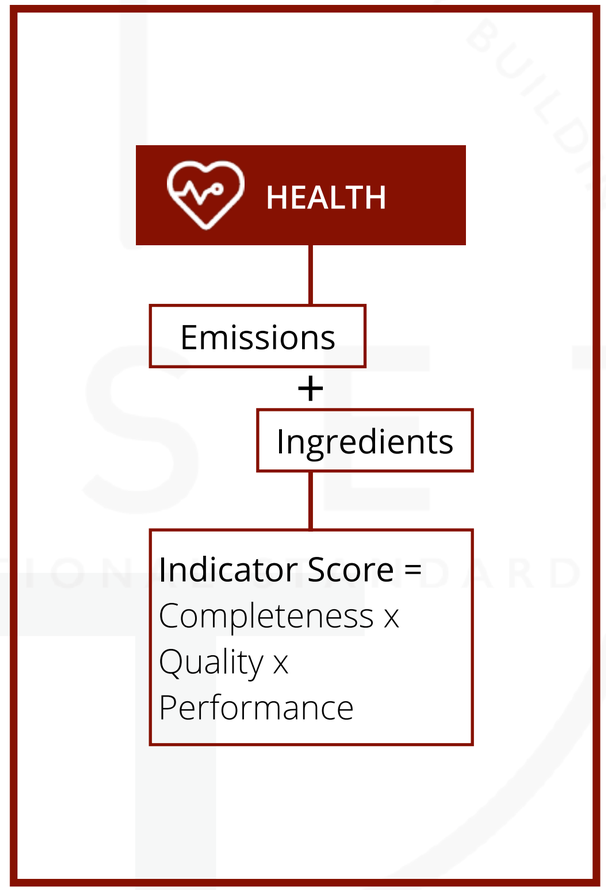


Performance Scoring for Components and Indicators

M1 Health

The health impact of products, materials, and finishes is a critical topic that must be considered for any project, new or existing. Two Indicators make up the RESET Materials Health component: **Emissions** and **Ingredients**.

It is not required that both Indicators have submission information in order to be scored. Each Indicator is scored independently and points are allocated according to data quality, data completeness, and product performance.



Indicator 1: Emissions

Many products, materials, and finishes contain chemicals of concern that can find their way into our bodies via gasses within the air we breath and can cause both short and long-term harm. Volatile organic compound emissions (VOCs) can off-gas from a wide variety of materials and products such as paints, adhesives, sealants, and composite wood.

Indicator 2: Ingredients

Of equal importance, degradation caused by the wear and tear of materials and finishes over time have the potential to leach chemicals and/or release fine particles that can enter our bodies either directly (inhalation, ingestion, or skin contact) or indirectly via our environments (food, water, etc.).

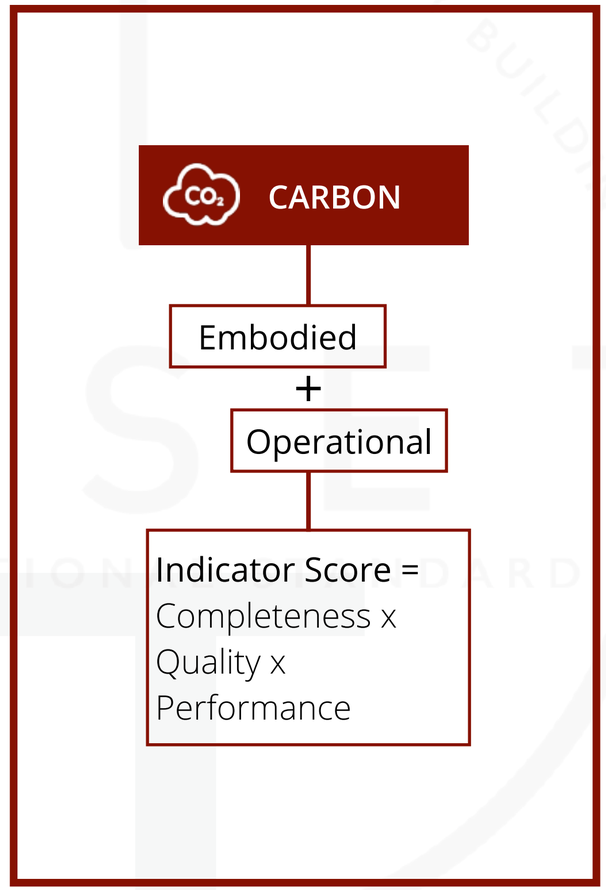
M2 Carbon

There are two main areas of focus when it comes to understanding carbon in the context of buildings and building products: **embodied** and **operational**.

The **RESET Materials Scoring Methodology** looks at the embodied carbon data at the product level. Specifically, it focuses on the energy-related emissions resulting from raw material sourcing, transport, and manufacturing stages in the life-cycle of a product (cradle-to-gate), as calculated via a standard LCA methodology.

Product data is scored on quality and completeness, as well as embodied performance.

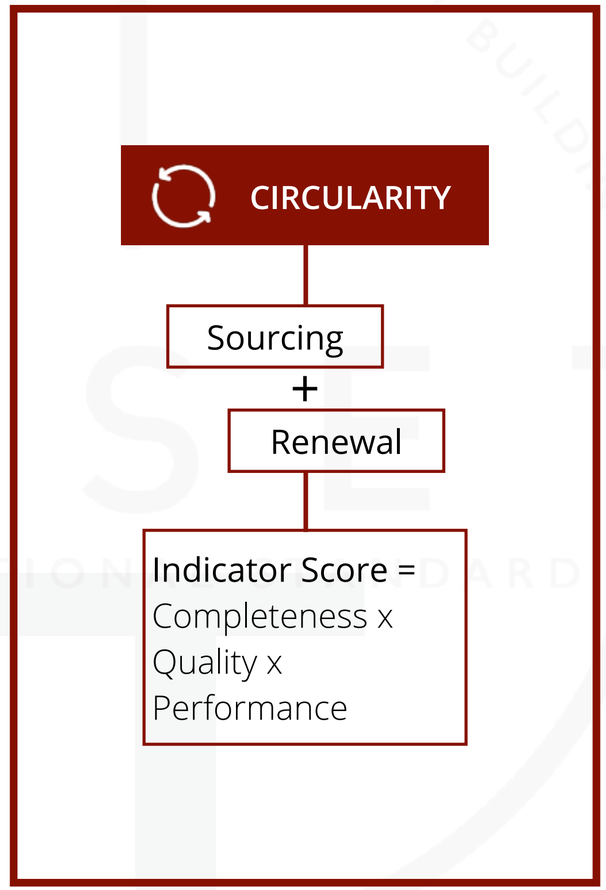
Accepted product data inputs include those done in accordance to ISO14025, ISO14067, ISO21930 and/or EN15804.



M3 Circularity

Waste is a human invention - a resource who's ability to support life has been compromised. Prior to this 'invention', all waste in our ecosystem was a resource for something else. In other words, waste did not exist. Rather, resources were cycled in infinite loops of materials or energy.

With the RESET Materials Scoring Methodology, circularity evaluates individual products, materials, and finishes based on their ability to be recycled, reused, or biodegraded. To be effective, circularity requires products and projects to be designed for disassembly (DFD), as well as be part of end-of-life programs that ensure these products find their way back into being resources for the next life.

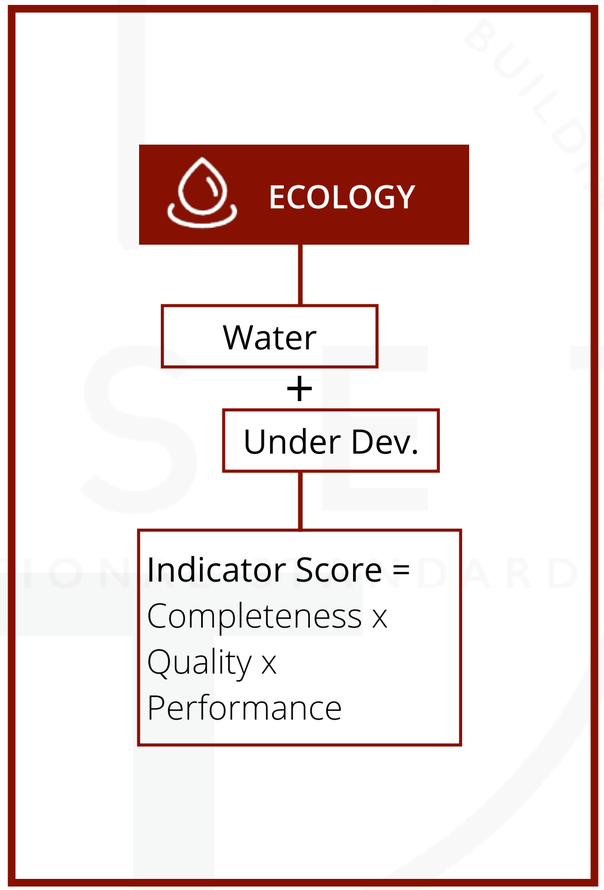


M4 Ecology

The topic of ecological health is vast and complex. It is composed of a number of inter-related sub-topics inclusive of water quality, air quality, and biodiversity. Addressing all of these topics holistically will be an iterative, multi-year process.

This topic will first focus on the sub-topic of embodied water in terms of quality and quantity, as calculated via a standard LCA methodology considering the impacts from raw material sourcing, transportation, and manufacturing (cradle-to-gate). Product data is scored on quality and completeness, as well as embodied performance.

Accepted product data inputs include those done in accordance to ISO14025, ISO14067, ISO21930 and/or EN15804.



M5 Social

Up until recently, the topic of social health and equity has been vastly under-represented in the fields of architecture and interiors. Although much work remains to be done, this topic is now actively being worked on by a number of industry groups and collaboratives.

Within the RESET Materials Standard, this topic is still under development and in its initial pilot stage.

End of RESET Materials Scoring Methodology