KALDEWEI
Europe's No. 1 for baths

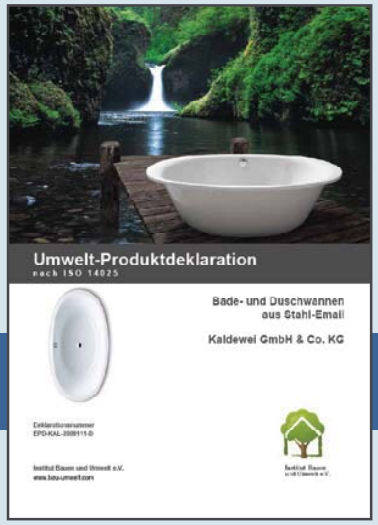
ENVIRONMENTAL DECLARATION IN ACCORDANCE WITH ISO 14025

Background

It is considered holistically and over the whole lifecycle of the building. This includes:

- the consumption of resources and energy during the production of the building materials
- environmental and contamination effects
- sustainment efforts
- ability to be dismanteled
- recycling processes

In order to be able to assess the sustainability of building projects in such a holistic way, the construction products used must be certified in accordance with the IBU (German Institute Construction and Environment IBU e.V.) ISO 14025 Environmental Declaration.



Main factors of influence:

- primary energy (renewable / nonrenewable)
- greenhouse potential / ozone depletion potential / acidification potential
- eutrophication potential (overfertilization of water)
- sommer smog potential

Kaldewei is the first german bathroom fixtures company to be awarded the IBU certificate in 2009

General statements of the declaration

- Steel is easy to recycle. The usage of steel as a recycling material contributes to the saving of resources. There is no use of "downcycling".
- Kaldewei products can be 100 % recycled and do not require the further separation of steel and enamel, so that the down-cycling required for many other materials can be avoided.
- downsizing and renaturation does not cause any environmental pollution
- Used bathtubs and shower trays are not waste. In case you want to dispose it, you can treat it a normal construction waste (no special waste).

Eco-balance Kaldewei steel enamel

- life cycle analysis includes the phases of life „from the cradle to the factory gate" as well as the recycling potential
- the certification procedure also assesses the winning of the base materials, the production of preliminary products and other raw and auxiliary materials
  - production of steel bathtubs and shower trays
  - production of enamel
  - necessary supporting and packaging material
  - transportation of main material and auxiliary materials
  - company operating (energy consumption, waste, emissions)
  - disposal of waste
  - recycling potential
- the usage itself is not included in the declaration

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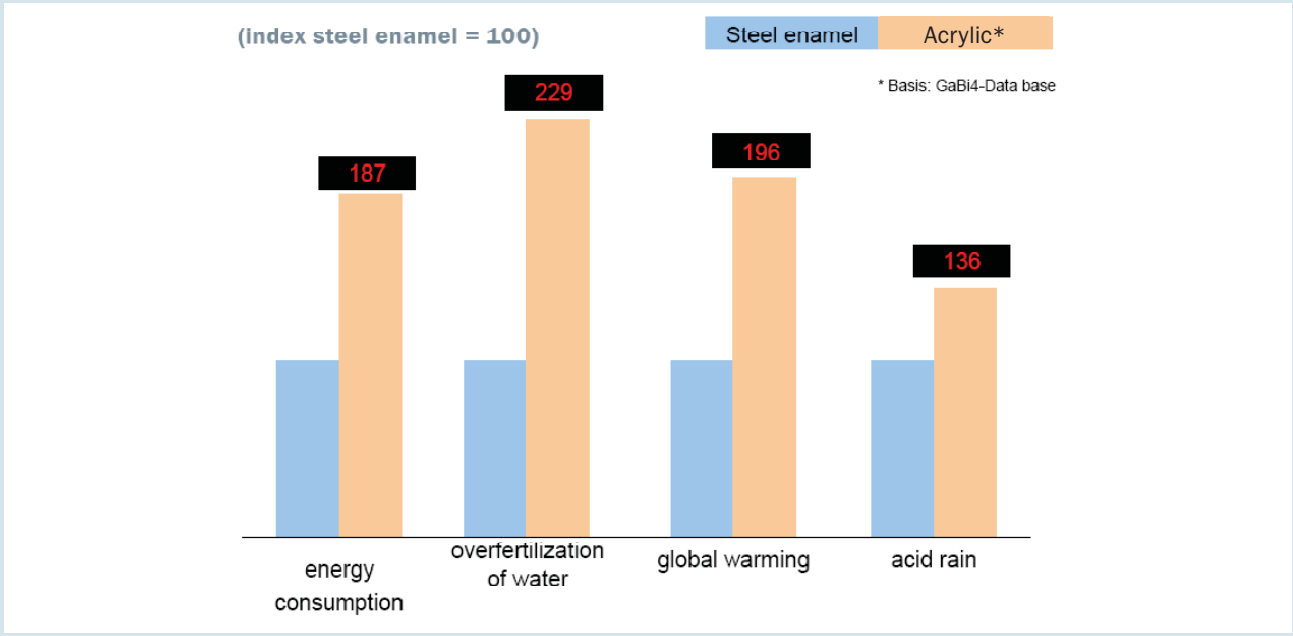
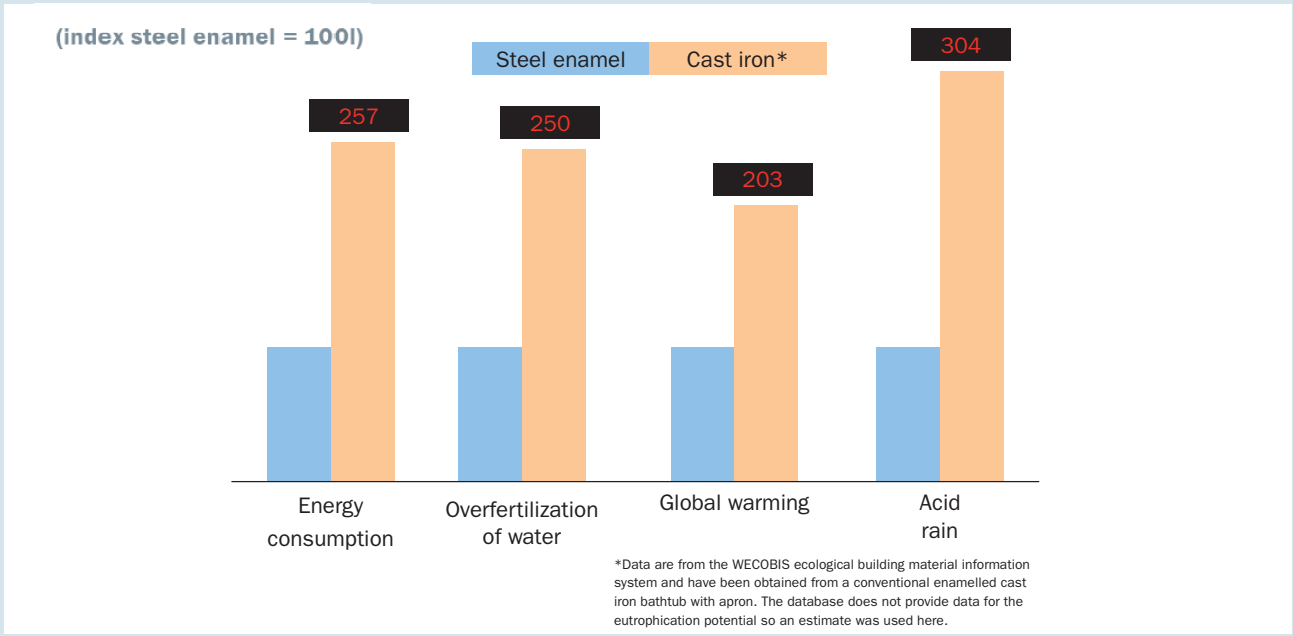
RESULT ECO-BALANCE
STEEL ENAMEL VS. ACRYLIC



RESULT LIFE CYCLE ASSESSMENT
STEEL ENAMEL VS. CAST IRON



- In aspects of ecological and economical purposes the material steel enamel is superior
- The results show that the contribution to sustainable building is much bigger when choosing a Kaldewei product than any alternative material.