

Overview

BASF's Eco-Efficiency Analysis (EEA) is a strategic environmental life-cycle assessment that can be used to ensure sustainable construction practices. Data acquisition and calculations used in BASF's EEA are in accordance with ISO standards 14040 and 14044 for life cycle assessment. The methodology has been third party validated by TUV and NSF International.

The EEA compares the relative ecological and economical impacts of concrete mixtures and determines the best performing, most economical concrete mixture with the least environmental impact. Eco-Efficiency Analysis focuses on the effects of concrete ingredients and mixture proportions on environmental impact categories including, energy consumption, emissions (air, water, and solid waste), toxicity potential, risk potential, consumption of raw materials, and land use.

