

Glass fiber LCA and Environmental and health data sheet

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For about 10 years Saint-Gobain Isover is making life cycle analysis of its glass fibre and rock wool insulation products. Nowadays, these are completed by environmental and health datasheet to fulfil more and more customers' requests.

Saint-Gobain Isover is updating and improving its LCA in collaboration with Ecobilan SA (member of PriceWaterhouseCooper) and their software TEAM. This, to be able to fill in accurately environmental and health datasheets as defined by the French standard AFNOR XP01-010 and the French association of building materials producers – AIMCC.

These datasheets contain information on :

- the characterization of the products,
- the inventory data and other data such as consumption of natural resources,
- emission to the environment
- production of waste
- the contribution of the products to environmental impacts and to health and quality of life within the building and
- other contributions with respect to eco management concerns.

These datasheets are more and more widely used and therefore requested by architects and other building's stakeholders in order to be able to chose among several materials those which have the lowest impact on environment and health taking into account the whole life cycle "from cradle to grave".

The methodology used to do these LCA and the use and content of these environmental and health datasheets will be explained as well as the means necessary to generate them.