

THE STORY BEHIND SUSTAINABLE INSULATION



Hence, we have to look at end-use applications to make informed environmental choices

PU INSULATION IS LIGHT AND REQUIRES LESS STRUCTURAL SUPPORT, THUS SAVING

PU INSULATION IS THINNER AND SAVES VALUABLE SPACE

RESOURCES





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WHEN TAKING ALL ASPECTS INTO ACCOUNT, PU INSULATION SHOWS AN EXCELLENT ENVIRONMENTAL PERFORMANCE

Different materials have different thermal insulation capacities, densities and installation requirements.

PU may have a higher impact at product level but reduces ancillary material use and has a similar impact as natural insulants when assessed at the building (element) level.



Environmental impacts of a brick wall element (1m²) with wood cladding outer leaf, U=0.24 W/m²K*

*Vito for the Federal Public Service of Health, Food Chain Safety and Environment (Belgium): Final LCA background report: Task 2 – Life cycle assessment of thermal insulation materials for walls in the Belgian building context (N° DG5/PP/DDL/11032)

HOW TO INFORM PROFESSIONALS?

Multi-indicator building for informed choices for LCA experts and architects.

AND **CONSUMERS?**

Unfortunately, there is no satisfactory communication format today. This does however not justify claims that do not reflect real performance.

BEYOND FACTORY GATES

When looking for the sustainability of insulation, one has to look **beyond** the factory gates.

needed to achieve comparable energy savings and what other savings can be achieved by saving space and weight should all be taken into account.



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