









Seaweed insulation historical development



Three types of sheep wool insulation products on markets 1 loose fill 2 rolls 3 hatts





Study of Insulation Materials Seaweed, Sheep Wool & Hempcrete

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Through the comparison between three different recently emerging insulation materials, we analyzed their structures and elements during the life cycle of these materials and speculated on their impact on human health, both during their production and after they are in use and identified where the problematic phases are in their life span. Hempcrete is eventually recommended due to its high environmental performance and relatively low affordability.

Out study also exposed an issue that these materials have been used at a relatively small scale due to its prevalence and high cost. We look forward to seeing these materials being used more widespread and that people would switch their thinking behind material choices









Material assessment of hempcrete, sheep wool & seaweed

HUMAN HEALTH

require use of hazardous chemicals in the production

INDOOR CLIMATE

the life cycle of the product

Sheen Wool U Value: 0.16 Hemplime U Value: 0.40 Seaweed U Value: 0.43

There is very little energy

AFFORDABILITY Because these are all not commonly used or mass produced is why they are expensive

MAINTENANCE

hemp and sheep wool

although hemp is also reusable at the end of its lifecycle