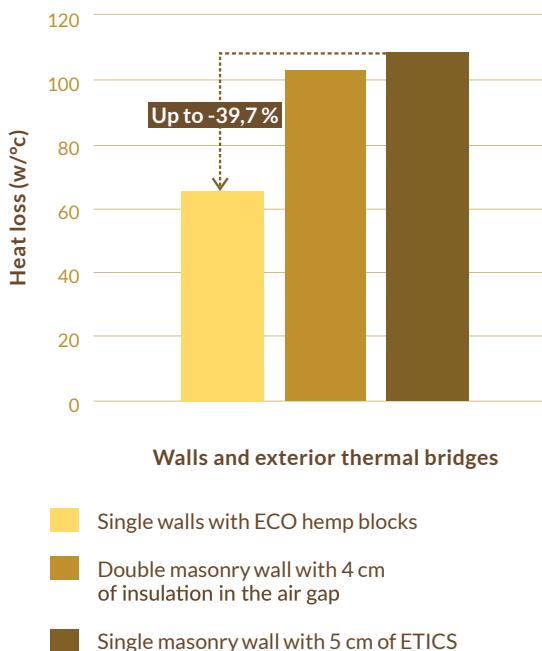


CÂNHAMOR ECOblocks®

Comparative energy efficiency study



Heat loss through opaque façade



The full study can be found in report RCT094/24

The use of hemp ECOblocks in the construction of a building guarantees a higher thermal and energy performance compared to a building constructed with conventional brick masonry and high-performance thermal insulation conforming to the regulations of Decree-Law n.º 101-D/2020. No additional thermal insulation is required when building with ECOblocks.

Building with hemp ECOblocks **reduces heat loss through the façade** (walls and thermal bridges) **by up to 39.7%** compared to a conventional single-wall brick solution with 5 cm of ETICS.

The **annual energy consumption of a building with hemp ECOblocks is reduced by 17.3%** compared to conventionally constructed buildings, which represents a saving of 0.17 €/kWh.

Heat loss from a building surrounded with ECOblocks is reduced by up to 10.2% compared with heat loss from buildings with double walls and 4 cm of standard insulation.



Nominal power for heating needs reduced by 18.4% compared with conventional building solutions.

