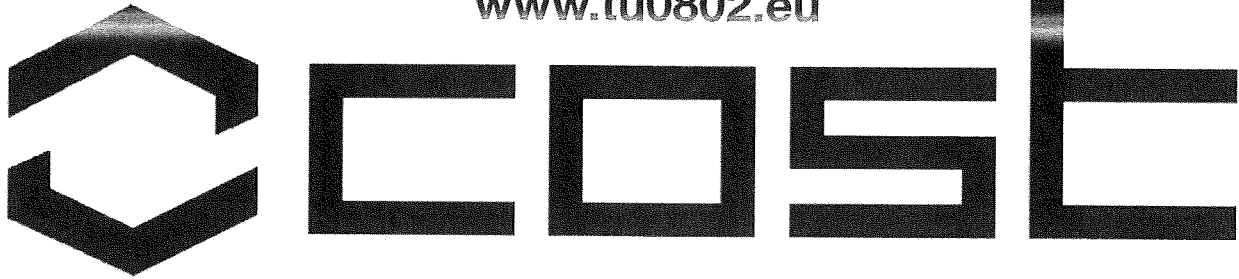


European Co-operation in Science and Technology

Phase Change Materials

A primer for Architects & Engineers

www.tu0802.eu



TU0802 Next Generation Cost Effective Phase Change Materials for increased energy efficiency in renewable energy systems in buildings (NeCoEPCM)

Edited by Sarah McCormack and Philip Griffiths

Applications of PCMs

This section will consider a number of applications of phase change materials. The work was compiled as part of the applications working group of TU0802. This chapter is a précis of the work which can be read in detail in the deliverables published by the COST action.

1. PCM in water stores
2. PCM in buildings
3. PCM in seasonal stores
4. PCM to regulate the temperature of photovoltaic panels

It provides some exemplars. It is not exhaustive, but is included to further encourage work in this area, and to provide a basis from which engineers may commence calculating whether phase change materials can provide a solution to their engineering problem.

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