



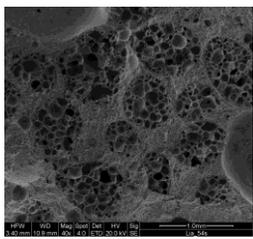
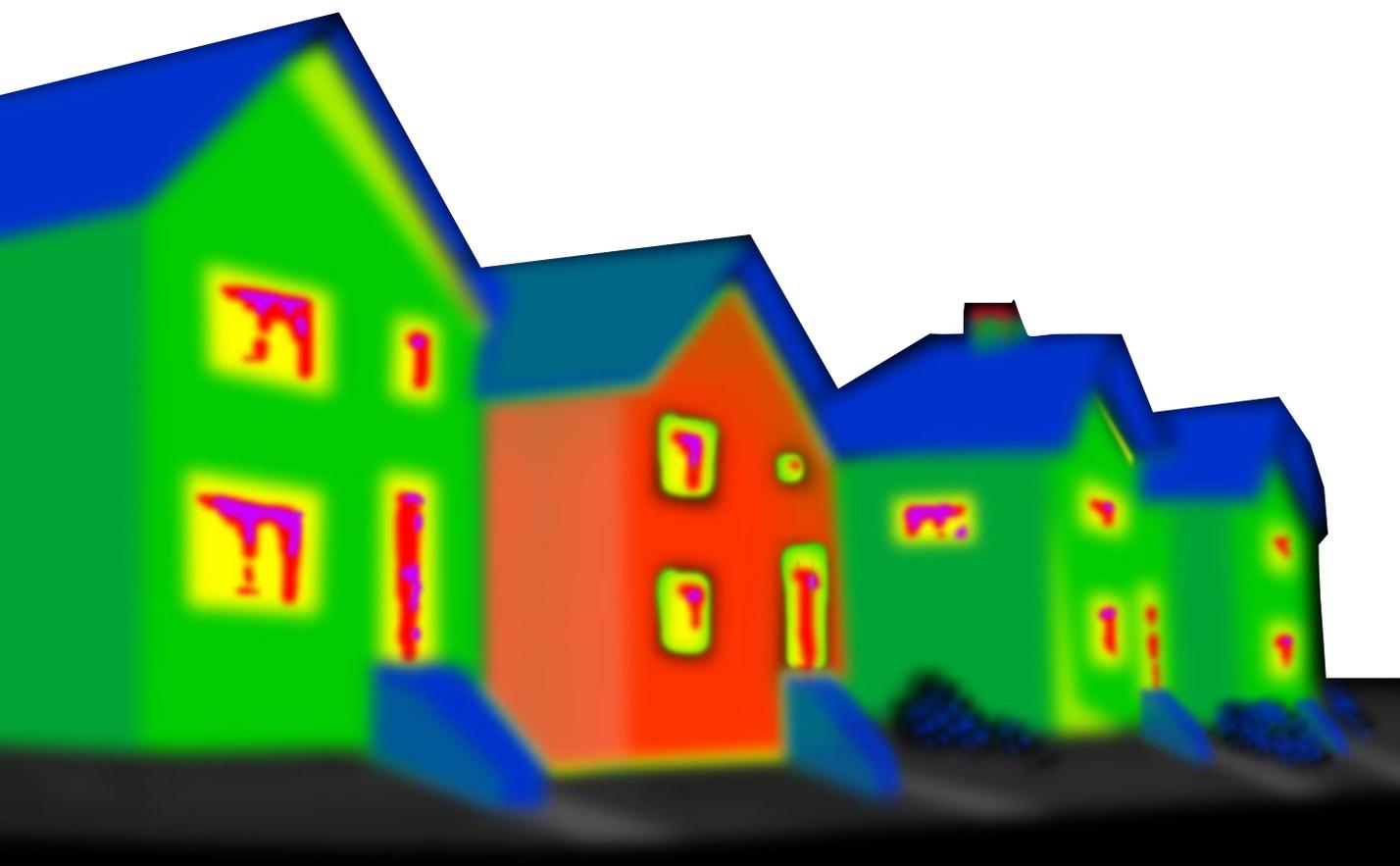
Insularis

Comfort by design

A solution for energy efficient construction

Insularis is a construction solution for improving Energy Efficiency in buildings/housing consisting of:

- A concrete technology (mix design and admixture system) that provides thermal insulation and acoustic reduction
- Construction solutions made of Insularis concrete leading to benefits such as saving, improve comfort and increase living space





Insularis® offers

- Concrete technology
- Construction solution based on Insularis® concrete technology

Insularis® concrete technology

- Characteristics
 - 100% ready-mix concrete solution
 - Composed of light weight aggregates
 - A** Structural concrete with high thermal insulation performances
 - B** Ultra light weight concrete design for insulation
- Fresh Properties
 - Self Compacting Concrete > 600mm
 - Workability retention ≥ 90 min
 - Pumpable concrete
- Harden Properties of Insularis® **A**
 - Thermal conductivity $\lambda = 0.3$ W/mK
 - Compressive strength : 20MPa to 40MPa
 - Low density ≤ 1400Kg/m³
- Harden Properties of Insularis® **B**
 - Thermal conductivity $\lambda = 0.07$ W/mK
 - Low density ≤ 600Kg/m³

Insularis® construction solution

- Insularis® concrete technology can be combined with a number of construction systems, to provide energy efficiency
 - Concrete + isolation materials
 - Thermomass system
 - Defoam-Foam (100% RMX solution) – combination of **A** + **B**

Contacts

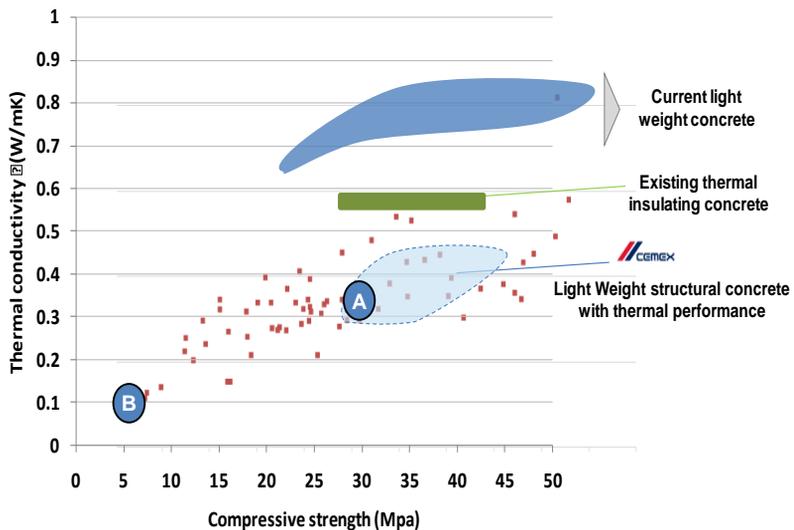
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Added value propositions

- Energy savings (up to 20%)
- Thermal bridge reduction (up to 95%)
- Time saving - 100% concrete solution
- Increase of living space (5%)

Applications

- Residential - small buildings (2 floors)
- Housing individual or collective



Insularis construction solution

Laboratory sample

1

2

3