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# Insulation Material, Markets and Trends

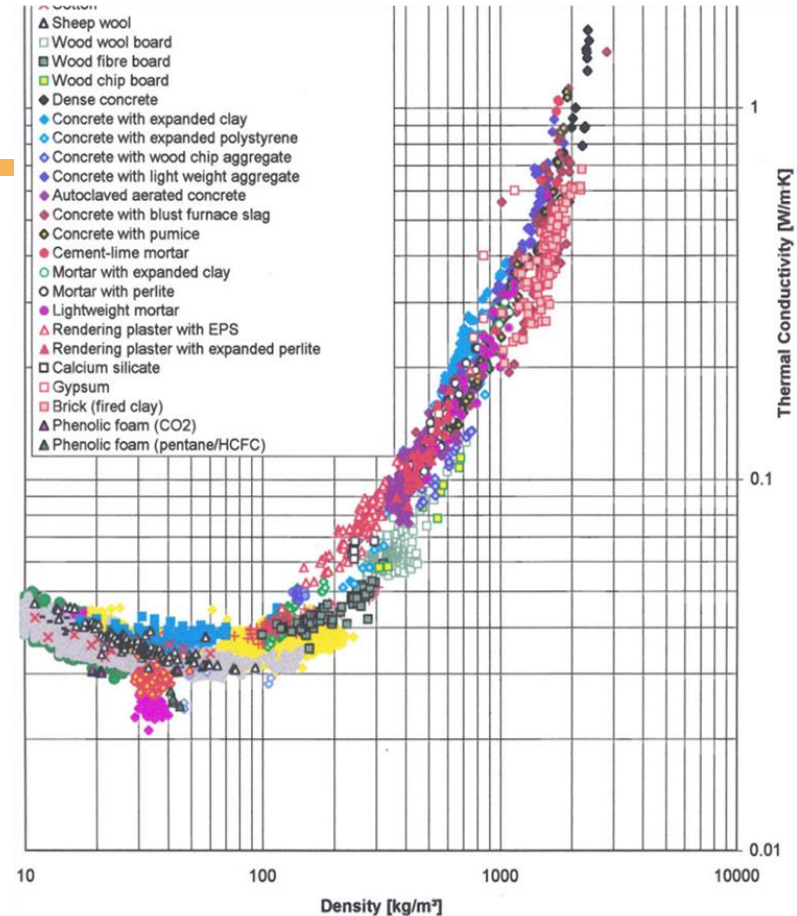
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- Today's insulation
- What the market wants
- How to put a new insulation on the market
- Trends for the future
- Discussion



# Today's insulation

- **Inorganic materials**
  - Mineral wool (Stone and glass)
  - Foam glass
- **Organic materials**
  - Cellulose wool (paper, wood, sheep, cotton, hemp, etc)
  - Cork
  - Expanded polystyrene (EPS)
  - Polyurethane foam
- **Combined materials**
  - Whith Aerogel etc



## What the market whant?

- Low  $\lambda$ -value
  - High durability
  - ...
- 
- What do you think?



# How to put a new insulation on the market

- CE mark
- Tests
- Different systems



## Trends for the future

*EEB-01-2016: Highly efficient insulation materials with improved properties.*

- Improvement by at least 25% of the insulation properties at component level;
- Reduction by at least 20% of the total costs compared to existing solutions;
- Improvement by at least 20 % of durability at component level;



# Discussion

