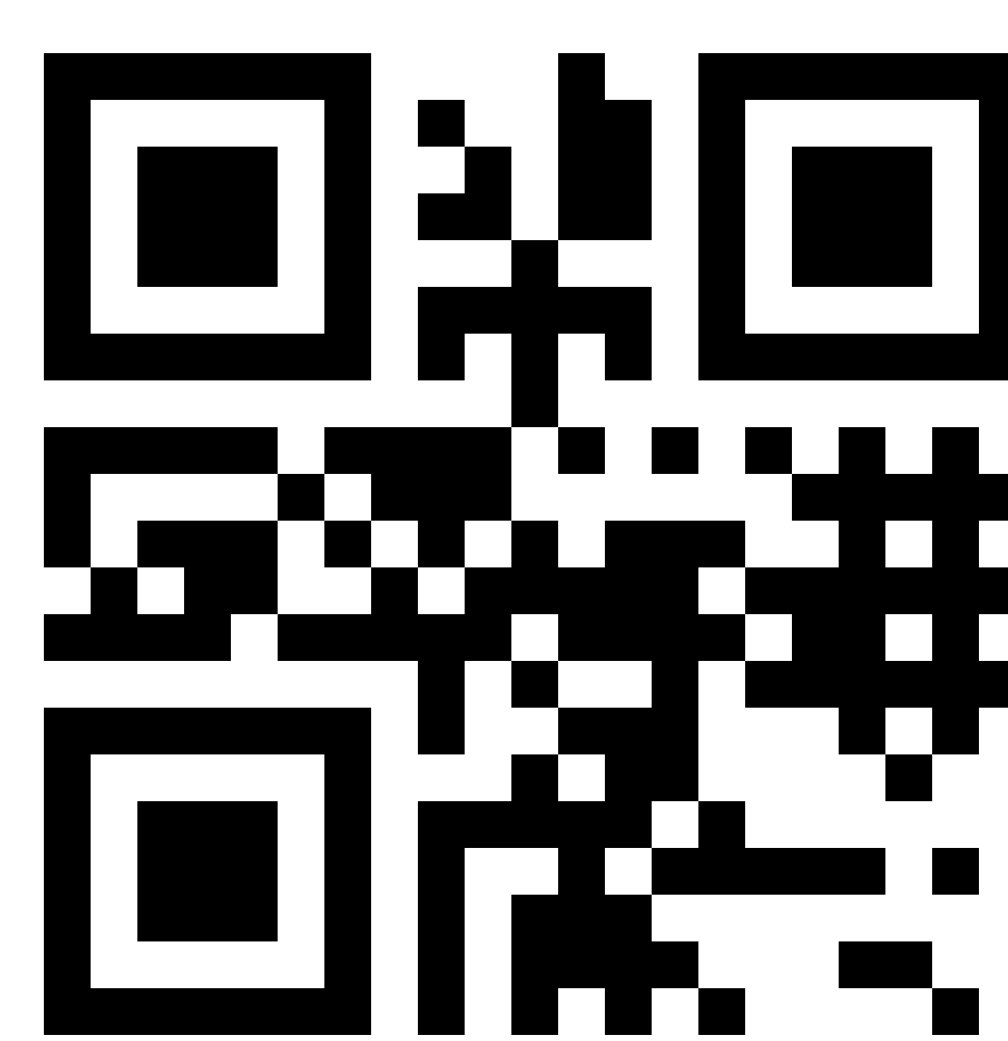


Development of innovative lightweight and highly insulating energy efficient components and associated enabling materials for cost-effective retrofitting and new construction of curtain wall façades.



EENSULATE



www.eensulate.eu

TWO commercial products working together to excel in TWO different levels of performance (Basic and Premium)

EENSULATE FOAM

A highly insulating spray foam for the cost-effective manufacturing and insulation of the opaque components of curtain walls as well as for the significant reduction of thermal bridges during installation.

- 35% weight reduction
- 25% improvement of insulation properties
- 20% improvement of durability
- 20% reduction of total costs

EENSULATE GLASS

A lightweight and thin double pane vacuum glass for the high insulation of the transparent component of curtain walls. A breakthrough multifunctional thermo-setting coating will allow dynamic solar gain control as well as anti-fogging and self-cleaning properties.

- 15% reduction of energy spent during the whole life cycle of a building
- 10% enhanced water vapour permeability
- Easier implementation



Public Library San Giovanni
(Pesaro, Italy)



School Building
(Dzierżonów, Poland)



City Museum
(Dzierżonów, Poland)



HORIZON 2020 RESEARCH PROJECT

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