



PROMOTION OF EUROPEAN PASSIVE HOUSES

Passive Houses in Europe

Some results from the PEP-project

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PROMOTION OF EUROPEAN PASSIVE HOUSES

Goals of the PEP-project:

**Promotion of the Passive house concept all over Europe
by means of:**

- **Developing information packages and design aids for Passive Houses**
- **Organising national and international workshops, symposia, and conferences**
- **Designing and maintaining an international Passive House website:**

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www.europeanpassivehouses.org

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Developing information packages and design aids for Passive Houses

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Passive House InfoPack

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PROMOTION OF EUROPEAN PASSIVE HOUSES

Passive House InfoPack

Introduction to Passive House

Passive House

Benefits

Performance

Municipality Guide

Urban Structure

Master Planning

Urban Developments

Building Authority

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Passive House InfoPack

Architects' Guide

- Passive Architecture
- Building Site
- Dwelling Design
- Design Principles
- Examples
- Architects' Checklist

Energy Designers' Guide

- Indoor Conditions
- Building Envelope
- Energy Calculation
- Performance
- Design Checklist

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Passive House InfoPack

Structural Designers' Guide

- Technical Characteristics
- Comfort
- Building System
- Performance
- Checklist

Developers' Guide

- Justification
- Requirements
- Construction

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Introduction to Passive House

Passive House

Benefits

Performance



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What is a Passive House?



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What is a Passive House?

“The term Passive House refers to a specific building standard for residential buildings with good comfort conditions during winter and summer, without traditional heating systems and without active cooling.

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What is a Passive House?

“The term Passive House refers to a specific building standard for residential buildings with good comfort conditions during winter and summer, without traditional heating systems and without active cooling.

Typically this includes very good insulation levels, very good air tightness of the building, whilst a good indoor air quality is guaranteed by a mechanical ventilation system with highly efficient heat recovery”

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What is a Passive House?

**Total heat demand for space heating
limited to 15 kWh/m² per year**

**Total primary energy demand limited to
120kWh/m² per year**

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What is a Passive House?

**Total heat demand for space heating
limited to 15 kWh/m² per year**

**Total primary energy demand limited to
120kWh/m² per year**

**Valid for areas between 40° and 60°
latitude**

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Passive House – renovation:

Total energy consumption for space heating limited to 25 kWh/m² per year



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Architects' Guide

Passive Architecture

Building Site

Dwelling Design

Design Principles

Examples

Architects' Checklist

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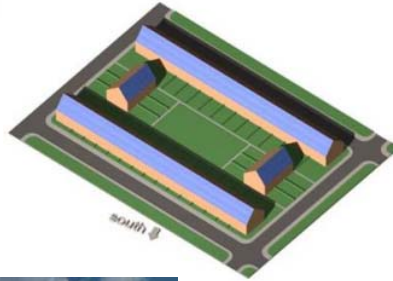


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Energy Designers' Guide

Indoor Conditions

Building Envelope

Energy Calculation

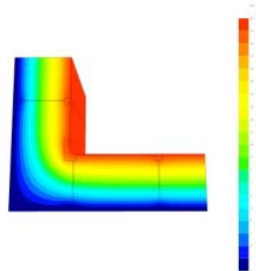
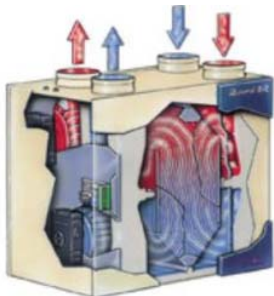
Performance

Design Checklist

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Structural Designers' Guide

Technical Characteristics

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Die wichtigste Maßnahme zur Qualitätssicherung ist jedoch die ständige und aufmerksame Überwachung aller Baumaßnahmen sowie die wiederholte und geduldige Schulung aller am Bau Beteiligten.

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