



your place with grace
OUTSTANDING RENOVATIONS

Passive House Design

Passive house design is a building standard that emphasises energy efficiency, comfort, and sustainability. The construction offers a range of benefits, from energy savings and improved comfort to sustainability and better indoor air quality. While the initial cost of building a passive house may be higher, the long-term benefits can outweigh the costs.

The advantages of building a passive house include:

- **Energy savings.** Passive houses consume significantly less energy than traditional buildings, with heating and cooling costs reduced by up to 90%. This is achieved through the use of high levels of insulation, air-tight construction, and efficient ventilation systems.
- **Comfort.** Passive houses provide superior indoor comfort, with consistent temperatures and high indoor air quality. They are designed to maintain a constant indoor temperature, which eliminates drafts and cold spots, and reduces the need for heating and cooling.
- **Durability.** Passive houses are built to last, with high-quality materials and construction methods that reduce the risk of moisture damage, mould growth, and structural problems. This results in a longer lifespan for the building and reduces maintenance costs over time.
- **Sustainability.** Passive houses are environmentally friendly, with reduced greenhouse gas emissions, lower energy consumption, and the use of sustainable materials. This reduces the building's impact on the environment and supports a more sustainable future.
- **Health benefits.** Passive houses are designed with a focus on indoor air quality, which can benefit the health of families. This is achieved through the use of efficient ventilation systems that filter out pollutants and allergens, and by reducing the risk of moisture-related health problems.

07985957305

yourplacewithgrace.co.uk

irina@yourplacewithgrace.co.uk